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6225 1914

# Novelties and Specialties



## W. A. MANDA, INC.

SOUTH ORANGE N. J.

ALSO PLAINFIELD N. J.

EUROPEAN BRANCH - ST. ALBANS, HERTS, ENGLAND





# Terms Upon Which We Do Business

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**A**LL correspondence pertaining to the business should be addressed to the firm and not to any of the employees.

**All accounts are rendered monthly.** Our patrons are requested to remit by checks, express or post office money-orders, or currency in registered letters. We will not be responsible for money sent in unregistered letters. From unknown correspondents either a remittance or reference is required with each order.

**We send goods C. O. D.** when the order is accompanied by a remittance of at least 25 per cent. of its total value. This guarantees acceptance of goods upon arrival at destination.

**We do not guarantee** delivery or safe carriage of goods. After the goods are delivered to the Transportation Company in good condition and receipted for by them, our responsibility ceases, as they are beyond our control, and become the property of the purchaser.

**Packing.** All packing is charged for at cost.

**Complaints.** Any complaints arising should be made within 3 days after receipt of goods, otherwise they cannot be considered.

**Early orders.** Orders are solicited at as early a date as possible, that we may have ample time for their execution. Please write plainly name, post office, express office and any other necessary information as to the best method of forwarding; express is recommended.

**Non-Warranty.** Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather and soil conditions, too deep or too shallow planting, etc., which render it impossible for us to guarantee success. Although we take all possible care to supply only such stock as will, under proper conditions, produce satisfactory results, we still give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop or results, also if stock is exhausted when orders are filled, and every order will be accepted only on these conditions.

**Orders** placed and accepted cannot be cancelled except with our consent.

All stock delivered from St. Albans, Hert's, England.

## Exchanges and Purchases

Notwithstanding that our collection of plants of all classes is very large, we are always ready to hear or enter into correspondence with parties for either any new or rare plants for sale or for exchange for other stock; also anyone having overgrown large species or new useful horticultural plants, or having accumulated a large stock of everyday greenhouse or garden plants who wishes to dispose or exchange for some choice or rare varieties to add to their collection with whom we will trade liberally. We would also be pleased to enter into correspondence with any gentleman intending to travel in countries that have not been much explored, where there would be a chance for discovering and adding some new and rare species of plants. In each case, we would thank the intending correspondent to state plainly and give full details and information so as to enable us to act decisively and promptly on receiving such information.

All correspondence should be preferably addressed to the main office, South Orange, N. J., U. S. A.



# American

PLANTS, SEEDS and BULBS

also

NOVELTIES

offered by

W. A. MANDA, INC.

St. Albans, Hert's, England

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MAIN NURSERIES

South Orange, N. J.

U. S. A.

Plainfield, N. J.

U. S. A.



**7 Cups, 16 Medals and 1 Diploma of Honor** Won at the Great International Horticultural Exhibition, London, England

# Introduction

By the way of introduction, wish to state that the present firm was established in 1894, by W. A. Manda, as The Universal Horticultural Establishment, and has been carried on ever since under the same direction and policy, with the exception that the business extended so fast that it was incorporated in 1903.

Previous to that Mr. Manda had been the managing partner of Pitcher & Manda, having severed his connection and started in 1894 on his own account.

Before meeting Mr. Pitcher, Mr. Manda was curator of the Botanical Gardens of Harvard University for five years. This, with the previous extensive experience in all the leading horticultural countries in Europe, has brought this firm second to none in America, which is well attested by the numerous honors and prizes received during his career. Suffice to say, taking three of the most important horticultural events at the First International Exhibition in America in 1908 in Chicago, where we have taken sixty-five prizes, taking all the sweep-stakes and specialties in the plant line.

Then, again, in 1911 at the great International Exhibition in Boston, we have carried eighty-nine prizes, with a special gold medal given by the Massachusetts Horticultural Society as special recognition of the great merit of our wonderful and numerous exhibits.

Then came the great event of the London International Exhibition in May, 1912, and, notwithstanding the great distance of 3,000 miles and drawbacks attending with the transportation of tender and perishable plants, we have been awarded twenty-two prizes in the general competition, the largest number of any individual exhibitor, and were the only American firm entering in competition.

These three events alone, with hundreds of others, testify to the facilities and enterprize we possess, and the quality of our stock.

Besides being a Fellow of the Royal Horticultural Society of London, Mr. Manda is a member, either honorary, active or life member, in nearly all of the well-known horticultural and scientific organizations in America, as follows:

## LIST OF SOCIETIES

American Breeders' Association.  
American Carnation Society.  
American Rose Society.  
Canadian Horticultural Society.  
Chrysanthemum Society of America.  
Florists' Club of Philadelphia.  
Florists' Club of Washington, D. C.  
Horticultural Club of Boston.  
Horticultural Society of New York.  
Lenox Horticultural Society.  
Massachusetts Horticultural Society.

National Association of Gardeners.  
New Jersey Floricultural Society.  
New London County Horticultural Society.  
New York Florists' Club.  
Pennsylvania Horticultural Society.  
Society of American Florists.  
St. Louis Horticultural Society.  
Tuxedo Horticultural Society.  
The New York Botanical Gardens.  
Association of American Nurserymen.

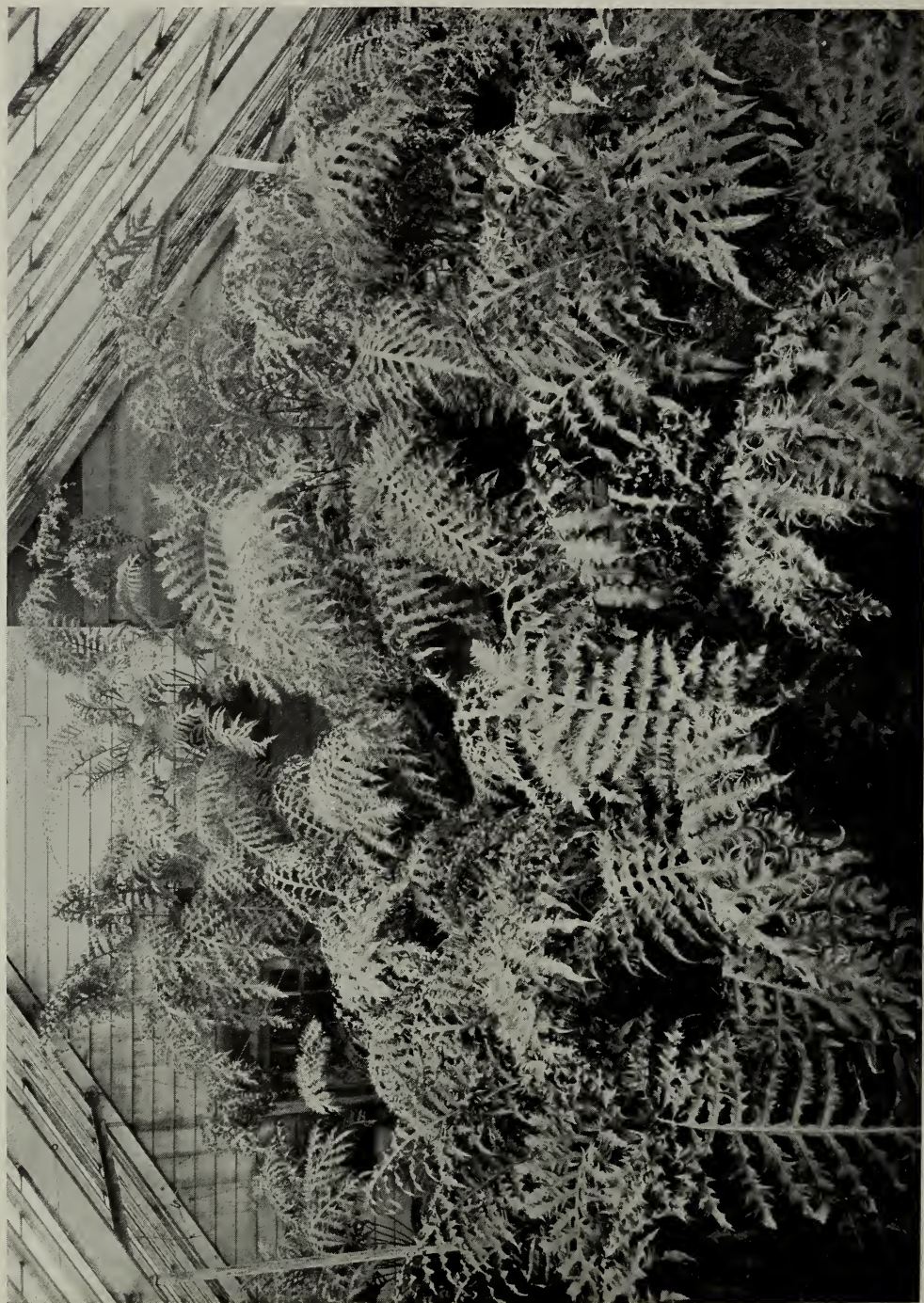
With the advancement of horticulture, which has made such rapid strides in the United States, it seemed to us advisable to establish a European branch from which American novelties and specialties or American native plants, seeds and bulbs could be distributed so as to minimize the extra freight and expense that would entail each small shipment across the 3,000 miles, and also to have facilities to grow, try and establish some of the novelties and exhibit them before the European horticultural public, and in selecting such location, it was only natural that a vicinity of London should be selected, and, therefore, our branch nurseries are at St. Albans, Hert's, which will be our depot and headquarters from where we will serve our numerous European patrons, to whom we thank for past patronage, and recommend ourselves for any plants, bulbs or seeds which the New World produces, and with this view we are publishing and sending out this descriptive list of novelties and specialties, together with a list of native plants, seeds and bulbs.

Soliciting your valued patronage, we beg to remain,

Very respectfully yours,

W. A. MANDA, Inc.





House of Polypodium Mandaianum

## New Ferns

No class of decorative foliage plants has made such rapid strides and been so much appreciated as the fern in the last ten years or so.

The numerous sports of the *Nephrolepis* have furnished a great many varieties which are almost bewildering with their beauty and usefulness as a decorative plant.

Besides introducing several new varieties of the above, we had the great fortune to bring the plant-loving public one of the most wonderful ferns ever introduced, not barring the beautiful but very frail and difficult to cultivate *Adiantum Farleyense*.

The plant referred to is the *Polypodium Mandaianum*, a plant that has created a sensation in the horticultural world, and has been the admiration of every one who has seen it, and it was more on account of this wonderful plant than anything else that has induced us to establish headquarters in England for the proper dissemination and introduction of this beautiful fern, which we will disseminate this coming summer of 1913.

### *Polypodium Mandaianum* (Manda)

No class of decorative foliage plants has made such rapid strides and has been so much appreciated as the fern in the last ten years or so.

Among the multitude of plants which I have introduced during my career, there is none that has impressed me as much as the *Polypodium* which we are offering now for delivery in August and September of 1913.

It is a plant that has grown in favor from year to year, and in its years of propagation developing new beauty and an additional quality as plant or cut green for decoration.

Great admiration of the plant is shown by every one who has had the fortune to see this wonderful plant growing or exhibited. It has carried everything before it, and stands to-day as the First Novelty not only in America, but with the whole horticultural world.

The plant is very free-growing and makes beautiful specimens in all sizes, as the photograph shows the plant in 3-inch pots, 5 and 8-inch pans, and large specimens in 20-inch tubs.

It is also a basket plant. A plant fastened on a piece of bark or cork will surpass in beauty and elegance any stag-horn fern.

Planted on any old stump or tree fern trunk, it will soon make a head that will rival any tree fern in cultivation, and equally useful when planted on the wall of the greenhouse, where it will attach itself and make a dense covering of choice beautiful glaucous foliage.

Not only as a plant, but also in a cut state, it is most valuable for fine decoration, being, perhaps, the most lasting green in existence, for I had fronds keep fresh eight weeks in water, which is remarkable, and I, therefore, cannot too strongly recommend this plant for any purpose desired.

Different from anything in cultivation, and strongly reminds one of the classic *Acanthus* of the Greeks. These beautiful fronds in the hands of a floral artist will fill a long-felt want.

Delivery, August and September, 1913

	Price
Strong plant, 5-inch pot or pan, each.....	10s. 6d.
Strong plant, 6-inch pot or pan, each.....	15s.
Extra strong plant, 8-inch pot or pan, each.....	21s.
Extra large specimen, each.....	£3 to £10
Also plants on blocks or baskets or on tree fern stems, prices on application.	
Small plants in 3-inch pots. All sold.	

## Ferns

(FROM "GARDENING ILLUSTRATED," JULY 27, 1912)

### A Fine Greenhouse Fern (*Polypodium Mandaianum*)

"This fern, which was given a first-class certificate at Holland Park Show, comes to us from America. Specimens of it were shown by Mr. W. A. Manda, South Orange, N. J., at the International at Chelsea, but I believe it was not placed before the committee on that occasion. It, however, at that time attracted a good deal of attention as a very beautiful fern, which, from its bold habit, high ornamental qualities, and the lasting





*Nephrolepis tuberosa plumosa* (Manda)  
(See Page 7)



nature of its stout, leathery fronds, was likely to prove of considerable value for decoration. A garden form, *Polypodium Mandaianum*, suggests to a certain extent both *P. aureum* and the nearly allied *P. glaucum*, though it is widely removed from either, and of much more vigorous growth. The fronds, which are of a pleasing shade of light green when young, become of a marked glaucous tint as they mature. They are in vigorous examples as much as six feet in length and of corresponding width. The pinnae are cut and slashed in a very marked manner, the divisions being in some cases extended into tail-like appendages. They are also more or less undulated. The creeping rhizomes, as in *P. aureum*, also form a striking feature, being densely clothed with light-colored hairs. It has up to the present proved to be quite barren, but it is readily increased by division. The vigorous nature of this fern is well shown by the fact that it will grow with equal freedom either in pots or on pieces of dead tree-fern stem. This fern will succeed perfectly in the temperature of a greenhouse. The same exhibitor also showed several forms of *Nephrolepis exaltata* that have originated in the United States, and some of which have become exceedingly popular here. Those of a marked plumose character, such as are so much grown in this country, were not so freely represented as others in which the fronds are less divided. Many of these American varieties are of compact habit, and this, with their profusion of fronds combined with their firm texture, should be in their favor."

### ***Nephrolepis tuberosa plumosa* (Manda)**

This beautiful fern is quite distinct from all of the other varieties of the Boston Fern inasmuch that it has been raised from the Japan species *N. tuberosa*, which type is much harder than the *Exaltata*.

The fronds are long and narrow; the pinnules beautiful plumose which are of light color, giving the fronds a beautiful effect on account of the two distinct shades as well as its graceful waviness, and will be found a great and distinct addition to collection ferns.

Fine plants, in 3-inch pots, 2s. 6d. each; 21s. per dozen.

Other specimens, 5s. to 15s. each.

**NEPHROLEPIS ALBERTII (Manda)**—A sport of our own which recommends itself by its long drooping fronds, irregularly crested, giving the plant a fine and distinct appearance. Free-grower and a plant well worthy alongside of the numerous sports now in cultivation. Fine plants, 5s.; extra large, 12s.

### ***Nephrolepis* "M. P. Mills" (Harris)**

This is one of the gems of this large family of ferns. In aspect like a miniature *Whittmanii*, but of wiry growth that does not break and one of the most durable of the plumose type.

Award of Merit from the Horticultural Society of London.

2½-inch pots, 2s. each; 21s. per dozen.

4 and 5-inch pots, 5s. each.

### ***Adiantum*, Glory of Moordrecht**

One of the surprises that has come to us from Holland. A plant growing as freely as *Adiantum cuneatum* in a cool temperature, but hardly distinguishable from the celebrated *Adiantum Farleyense*, which variety it will replace for general culture. We have a grand stock of these and can offer fine plants.

1s. 6d. each; 15s. per dozen.

### ***Polystichum varium***

Introduced by me from South Africa. One of the hardiest and most useful ferns in cultivation, growing to medium size with rather broad pinnate fronds which are of a beautiful red color when the fronds are young.

Strong plants, 2s. 6d. each; 21s. per dozen.

Larger specimens, 5s. to 15s. each.

**PTERIS TREMULA CRISTA (Manda)**—Beautifully crested forms of the well-known useful fern, and one that can be used to advantage anywhere where hardy ferns are used either in small or large size. Fine plants, 2s. 6d. each; 21s. per dozen.

## New Foliage or Flowering Plants



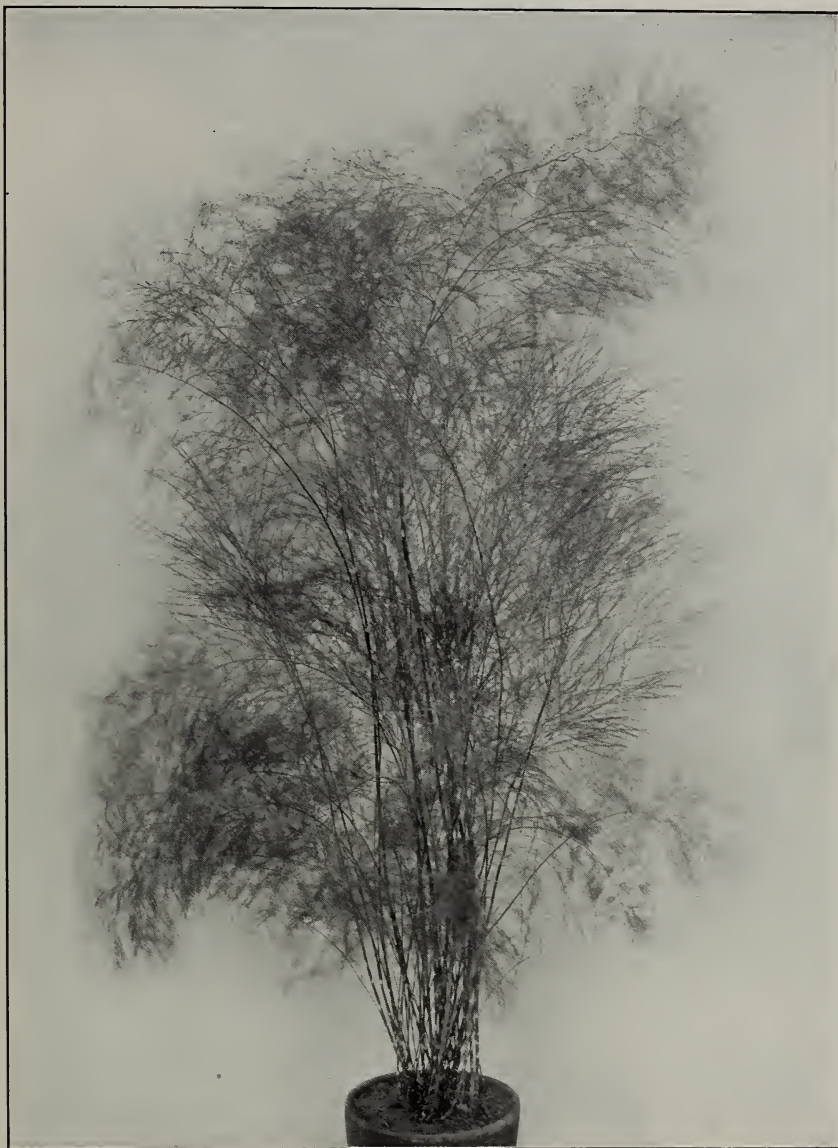
### Anthericum Mandaianum (Manda)

This grand plant is one of the most beautiful in cultivation, forming a dense compact plant with leaves from 4 to 6 inches in length of a beautiful dark green color, with a bright yellow middle like a miniature Pandanus Veitchii.

The plant throws out long flowering stems at the axis, at the end of which new plants form which root rapidly in the air, making it well-adapted for a hanging-basket plant or edging where vines are desired. Plants in 2 and 3-inch pots can be used for the center of fern dishes or similar work. It is very durable, does only require a cool greenhouse to grow same, and it is a very useful plant for the house and can be used in window-boxes on the piazza or out of doors.

	Price
Fine plants, 2-inch pots, each .....	1s.
Larger plants, each .....	2s. 6d. to 5s.





### New Asparagus "Cut and Come Again"

*Asparagus elongatus* (Manda). Few years ago I had distributed few plants, but now have propagated sufficient quantity for general distribution. An upright grower sends out stems up to 8 ft. in height, terminating in a broad head of fine, light green fluffy foliage, as seen by the photo-engraving. This is most useful for cut green foliage, especially as it can be cut with straight stems 5 to 6 ft. long. The great advantage is that after the heads have been cut the stems will break out and produce a new crop ready to cut in a few weeks, thus can be recommended as the most prolific plant for cut green. It thrives best when planted in beds like other Asparagus. Strong plants, 1s. 6d. each; 15s. per dozen; 90s. per 100.





### New Begonia, Christmas Red

**BEGONIA, MRS. WM. S. KIMBALL (Manda)**—A grand greenhouse flowering variety of upright growth and produces beautiful shell-pink flowers from Christmas until after Easter. Nice plants. Price: 2s. 6d. each; 21s. per dozen.

**BEGONIA, CHRISTMAS RED (Manda)**—A seedling from semperflorens and Mrs. Wm. S. Kimball, of close, compact habit with bright glossy foliage and a profusion of bright-red flowers, being at its best from Christmas until Easter, but flowering all the year 'round. Price: 2s. 6d. each; 21s. per dozen.

**BEGONIA, SILVER STAR (Manda)**—A cross between Begonia Bowringiana and Rex. A beautiful, compact growing plant with large, silvery foliage. A great addition to the Foliage Begonia. Price: 4s. each; 40s. per dozen.

**BEGONIA, COMET (Manda)**—A cross between Begonia, Rex and Bowringiana, having the habit of the latter, rather tall-growing with large reddish foliage, inlaid with silver. Beautiful plants. Price: 4s. each; 40s. per dozen.

**ACACIA SEMPERFLORENS (Manda)**—Beautiful new plant in habit and growth near to *A. floribunda*, but the great advantage is that this plant flowers continually winter and

summer producing its bright golden yellow fragrant bloom. Only few fine specimens at 10s. to 30s. each.

**BOUGAINVILLEA W. K. HARRIS**—One of the most beautiful of variegated flowering plants. The foliage is freely marked with white, which makes a contrast to the rich color of the flowers. It is worth growing for the beauty of the leaves alone. Strong plants, 2s. each; 20s. per dozen. Specimens 8s. to 12s. each.

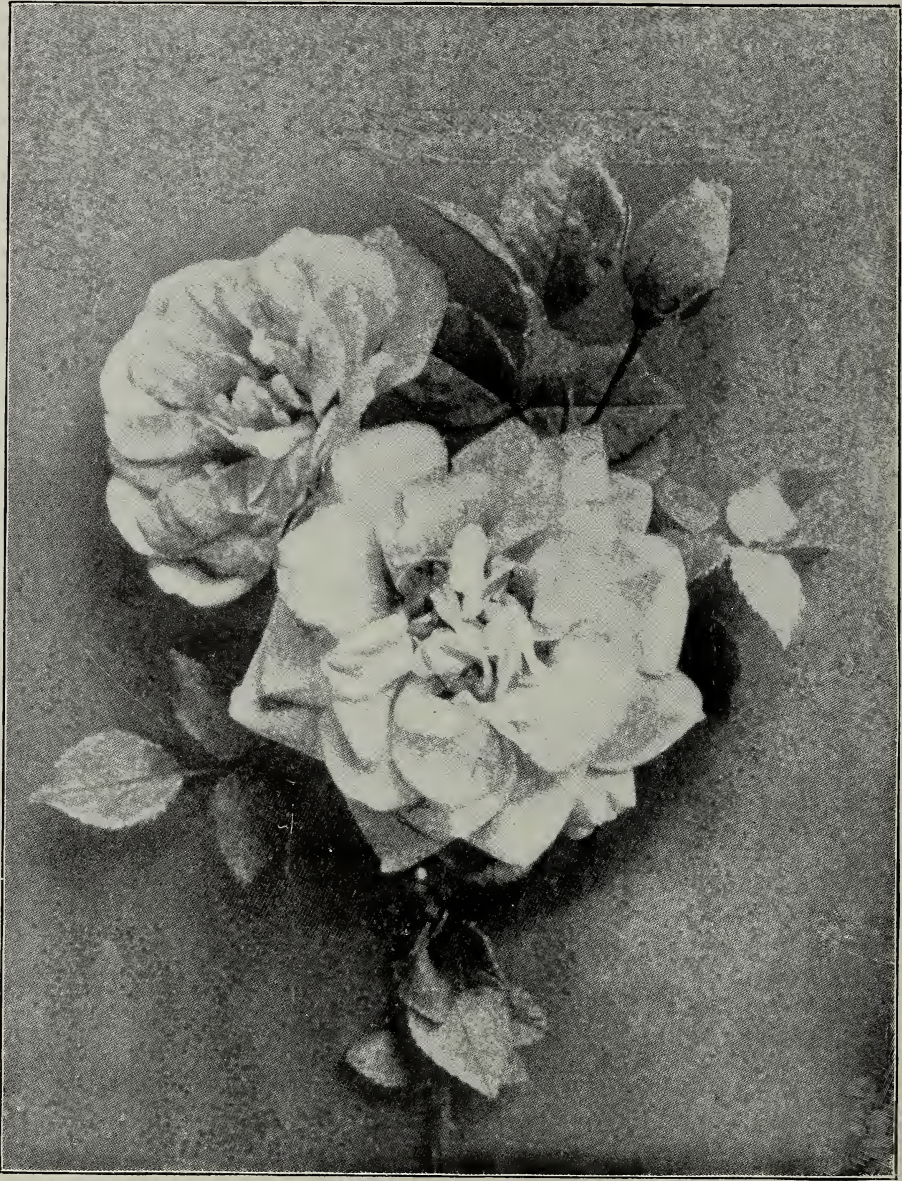


**Dracaena Mandaiana (Manda) (D. Yongii x D. Terminalis)**

Conceded by everyone as the finest Red Dracaena in cultivation. The plant grows 2 to 4 ft. in height; the stout foliage is of a dark red color at any stage of the growth, but on maturing this color is much brightened by the center leaves which are of the richest claret red color, under artificial light ruby red. An ideal Christmas plant and one of the most showy of all foliage plants in cultivation. It requires only moderate temperature to bring it to perfection. Fine plants, 7s. 6d. each; large specimen plants, 15s. to 30s. each.

Winner of the Shaw's Gold Medal, St. Louis, Mo., Silver Gilt Medal and Certificate of Merit at the National Flower Show, First Class Certificate at Boston, and many other awards.





**Gardenia (Manda)**

(Wichuraiana x Perle des Jardins)

Strong grower, with large green foliage. Flowers produced singly on stems  $\frac{1}{2}$  to 1 foot long. When in bud, hardly distinguishable from Perle, bright yellow, and when open cream color, 3 to  $3\frac{1}{2}$  inches in diameter, incurving toward evening to perfect imitation of Gardenia as to shape and color, hence its name. Flowers are delightfully fragrant and produce freely. A grand rose for any purpose.

We are the pioneer originators and introducers of Hybrid Wichuraiana Roses.



## New Roses

The Rose, the Queen of Flowers, is equally appreciated in the United States and cultivated in enormous quantities.

Numerous new varieties originated either by hybridizing or by carefully selected sports, I must confess, with pardonable pride, that I was the first to hybridize and introduce the new class of Hybrid Wichuraiana Roses, having disseminated such varieties as Manda's Triumph, Universal Favorite, Pink Roamer, Gardenia, Jersey Beauty, Gladys Talbot, Evergreen Gem, South Orange Perfection and many others, and having now hundreds of seedlings which I am testing, and which will shortly be sent out to enrich the field of one of the best and most beautiful classes of roses.

There is no country where there is such a quantity of roses cultivated for cut-flower purposes as in the United States, and naturally, it must be expected that every effort is made to improve upon existing kinds, so in this line also, we will have several new varieties of sterling merit, to introduce and recommend to the cultivator and admirer of the Queen of Flowers.

## Novelties in Roses for 1913

**ROSE, DAZZLING RED (Manda)**—New Wichuraiana Rose. Finally I have succeeded in raising a strictly Wichuraiana Rose with flowers superior both in color, size and durability to the well-known Crimson Rambler; the foliage is bright and glossy, almost evergreen; very strong and rapid grower, while the flowers are produced in great profusion and are of large size and of a beautiful ruby red color that does not fade. Prices: 2s. 6d. each; 21s. per dozen. Two-year-old plants, 10s. each; 90s. per dozen.

**ROSE, BRIDAL WREATH (Manda)**—An addition to the beautiful climbing rose, a cross between the Wichuraiana-Multiflora section with good foliage, strong growth and exceedingly floriferous, producing innumerable semi-double white flowers which almost cover the foliage. Excellent variety for any use which I can recommend. Price: 2s. 6d. each; 21s. per dozen. Extra large two-year-old plants, 10s. each; 90s. per dozen.

**MILADY (A. N. Pierson)**—A seedling from Richmond, but showing very much more substance in the flower. Has the same delightful fragrance and comes to us with the highest recommendation of the introducer. Price: 3s. 6d. per plant; 25s. per dozen; £9 per 100.

**MRS. CHAS. RUSSELL**—The pink American Beauty. An enormous flower which lines up to the Beauty class in both flower, foliage and stem. As a show flower Mrs. Russell will hold its place a great many years. Price: Own Root, 3s. 6d. per plant; 25s. per dozen; £9 per 100.

### HYBRID WICHURAIANA ROSES OF MY OWN RAISING AND INTRODUCTION.

Bridal Wreath—Pure white.

Crimson Roamer—Rich, deep crimson, single.

Evergreen Gem—Yellow buff.

Gardenia—Light yellow.

Gladys Talbot—Dwarf-growing, double pink.

Improved Universal Favorite—Larger and deeper in color than the type.

Strong plants, 2 and 3 years old, 1s. 6d. to 5s. each.

American Roses from other sources, the following extra strong, 2 or 3-year-old plants, 1s. 6d. to 5s. each. Special price and size in quantity on application.

Jersey Beauty—Light yellow, single.

Manda's Triumph—Pure white.

Pink Pearl—Soft pearl pink.

Pink Roamer—Crimson.

South Orange Beauty—Semi-upright, beautiful double pink.

South Orange Perfection—Shell pink.

Universal Favorite—Deep pink.

White Star—Pure white, single.

### ROSES, HYBRID TEAS.

Double Pink Killarney.

Double White Killarney.

General MacArthur.

Killarney Queen.

Mrs. Theo. Roosevelt.

My Maryland.

Rhea Reid.

Richmond.

Robert Scott.

Rosalind Orr, English.

White Killarney.

### CLIMBING ROSES.

Dawson.

Daybreak.

Debutante.

Dr. Van Fleet.

Evangeline.

Excelsia.

Farquhar.

Hiawatha.

Jessica.

Lady Gay.

Lady Duncan.

Minnie Dawson.

Minnehaha.

Milky Way.

Sargent.

Silver Moon.

Sweet Heart.

Troubador.

Wm. C. Egan.

## New Hardy Plants



**Rudbeckia Mandaiana (Manda)**

**Rudbeckia Mandaiana (Manda)** (*R. subtomentosa* x *R. Californica*)—A beautiful plant with the habit of *R. subtomentosa*, growing 4 ft. or more in height, and producing in August and September a mass of large flowers, the rays being of rich gold color artistically twisted, giving the flower a unique appearance which is heightened by the pure yellow disc so unusual in the Rudbeckias. Perfectly hardy and free growing plant. Price, 1s. 6d. each; 15s. per dozen.

**Rudbeckia Californica maxima (Manda)**—A seedling of extraordinary size, both as a plant or flower. The plant attains from 7 to 10 ft. in height and is covered with a mass of bright yellow flowers from August to November. The flowers are from 4 to 5 inches in diameter, of a rich yellow color with high yellow cone. A fine acquisition where high plants are required. Price, 1s. 6d. each; 15s. per dozen.

**Hibiscus Resplendens (Manda)** (*H. moschentos* x *H. militaris*)—Grand plant of stately habit 5 to 8 ft. high with spear-shaped leaves, and producing in succession from August to November large quantities of perfectly formed flowers 3 inches across of beautiful bright, soft pink with rich red coloring in the tube, which gives the flower a bright and distinct appearance. Price, 1s. 6d. each; 15s. per dozen.

**Hydrangea Arborescens Grandiflora**—Perfectly hardy shrub of American origin and one suited best to our climate. The flowers produced in large trusses are snow white and are in their glory from June until August when there are few shrubs in flower. A plant that should be in every garden. Strong plants, 1s. 6d. each; 15s. per dozen.

**Hibiscus Hybrids, Mallow Marvels**—Wonderful array of very large flowers from pure white to pink and scarlet. Strong plants, 2s. 6d. each; 21s. per dozen.



## New Carnations and Chrysanthemums

It is well admitted that the credit for the great interest created in the cultivating of the Perpetual Flowering Carnation is due to America, where a great many of the choice and best varieties have originated and have been distributed all over the world.

The Hybridizers are still at work, so that every year we might reasonably expect several new candidates for popular favor, which we intend to introduce into Europe, having given them a thorough test in America, so that nothing but the very best will be recommended.

The same remark applies to the Chrysanthemum, for it was through the United States that the wonderful Chrysanthemum, Miss Alpheus Hardy, was disseminated, as well as other beautiful varieties.

I think every year will show several newcomers of extraordinary merit, both in exhibition variety as well as in the singles and pompons.

## Carnation Novelties for 1913

Price: 12s. Per Dozen; £4 10s. Per Hundred. 2½ or 3-inch Pot Plants

**NORTHPORT (Cockcroft)**—This variety should be the leader in dark pink. It is wonderfully free, coming into flower very quickly in the fall. The stem is perfectly stiff and a vase of this variety on the show table is very hard to beat. Northport has won some twelve certificates this fall, and in the recent show in Cleveland secured first for "25 dark pink" and first for "50 dark pink," and also won the sweepstakes in every section. We recommend this variety with every confidence.

**COMMODORE (Hill)**—The scarlet that will eventually take the place of Beacon, since it very seldom splits. This variety is a seedling from Victory, almost identical in color, but is very free and continuous in bloom and the habit is altogether better than Victory. So far it has shown no sign of rust with us and we believe Commodore will rank as one of the leading scarlets.

**ENCHANTRESS SUPREME (Dailedouze)**—A sort of Enchantress somewhat deeper in color which never fades and does not split, as the calyx is longer and narrower than that of the parent variety.

**SALMON BEAUTY (Abrams)**—Almost identical in every way with Enchantress Supreme, except possibly the color is a shade deeper. Both of these varieties will displace the parent variety to a great extent.

**WM. ECCLES (Scott)**—The color of Flamingo, strong, rigid stem, perfectly formed, 3½-inch flower, non-bursting calyx. Very fragrant and a good keeper.

**THE HERALD (Chicago Carnation Co.)**—A free and continuous bloomer, producing large, very full, 3 to 3½-inch flowers on long, strong stems, non-bursting. The color is a grand bright scarlet that does not fade. Habit is ideal and very floriferous.

## Novelties in Chrysanthemums

**RAMAPO (American seedling of Col. Appleton, which will take the place of that variety)**—It has all the good points of Appleton, the same color, splendid stem, foliage right up to the flower and never shows a top-not as does Appleton. We strongly recommend this variety and guarantee it will find a place as a first-class commercial yellow. Any bud after August 20. Certified by the C. S. A. Price: 1s. per plant; 10s. per dozen.

**CHRYSANTHEMUM, ORIOLE (Yellow, Single) (A. N. Pierson)**—A decided novelty; probably the most showy single variety in existence. Very decorative; it makes a most excellent pot plant, and planted in a mass will make a gorgeous showing in the fall. Price: 1s. 6d. each; 15s. per dozen.

## Novelties in Pompons

The following list of Pompons were raised by the Mt. Greenwood Cemetery Association and is the collection that carried off the Hitchings Cup at the New York Show in the American Institute:

Price: 1s. 6d. per Plant; 12s. per Dozen

**INEZ**—Scarlet bronze; very brilliant.

**RITA**—Bright pink; handsome variety.

**DORIS**—Pure bronze; one of the best

**NELL**—Chestnut scarlet.

**MARY**—Pearl white, flushed pink.

**JEN**—Dark rosy crimson.

**RUTH**—Rosy lilac; very attractive.

**BETH**—Deep rose pink.

**NAN**—Maroon with purple shadings.

**DONALD**—Light pink; very fine grower.

**BLANCHE**—Bronze red, shading to scarlet.

**MEG**—Wine red, shading to garnet.





Our Exhibit of 12 Specimen Ferns (Silver Cup) and 6 New Ferns (First Prize) at the Great Royal International Horticultural Exhibition, London, 1912



# Novelties in Bulbs

## New Gladioli

The following list comprises the choicest of all the new Gladioli from the leading specialists and the prices are for good strong flowering-size bulbs which will give satisfaction:

**AFTERGLOW**—Beautiful salmon pink. Price: 3s. 6d. each; 36s. per dozen.

**ALICE CAREY**—A fine large flowering, almost white variety of great merit. Price: 5s. 6d. per dozen; 36s. per 100.

**AMERICA**—The most popular pink variety in cultivation. Price: 3s. 6d. per dozen; 10s. per 100; 95s. per 1,000.

**DAWNRAY (Dawn Tracy's)**—The most beautiful shell pink Gladiolus ever offered. A long, graceful spike of magnificently formed flowers, all open at one time. Price: 7s. 6d. per dozen; 60s. per 100.

**DAYBREAK**—A charming shade of aurora pink with white-blazed throat dwarf habit. Price: 18s. per dozen.

**IMPROVED 1900**—Dark red, pure white throat. Price: 21s. each; 18s. per dozen.

**INDEPENDENCE**—A brilliant rose pink with richly marked throat. Price: 3s. per dozen; 15s. per 100.

**MAIZE**—A soft, light corn color, tinted rose, with slender tongue of fuchsia red on lower petals. Price: 15s. per dozen; 75s. per 100.

**MRS. FRANCIS KING (The Original)**—A most beautiful "Besnard Shade," flame pink. Immense flowers on a spike growing four feet high. Price: 3s. per dozen; 15s. per 100.

**MRS. JAMES H. LANCASHIRE**—The coloring in this popular Gladiolus is a deep cream, fading to a rose-tinted flesh color, with contrasting stripe of carmine on lower petals. Price 15s. per dozen; 110s. per 100.

**NEW AMERICA**—Large flower, lavender and rose. Price: 4s. per dozen; 30s. per 100.

**NIAGARA**—A light crocus yellow, throat shaded deeper. Large open flowers on a strong spike. Price: 15s. per dozen; 110s. per 100.

**PEACE**—Beautiful white, slightly shaded pink. 15s. per dozen; 110s. per 100.

**PINK AUGUSTA**—Fine early bloomer, especially good for forcing. Price: 4s. per dozen; 22s. per 100.

**PRINCEPINE**—Flowers large, of the most brilliant scarlet. Price: 2s. each; 20s. per dozen; 145s. per 100.

**ROCHESTER WHITE**—The grandest, pure white in cultivation. Price: 4s. each; 40s. per dozen.

**ROSE SPRAY**—White shaded rose. Price: 4s. per dozen; 32s. per 100.

**ROYALE**—Dark, velvety petunia shade with deeper throat. Price: 15s. per dozen.

**SULPHUR KING**—Fine, pure, light yellow. Price: 7s. 6d. per dozen; 60s. per 100.

**SUNRISE**—Long spikes of dainty flowers, clear color with no marking. Price: 7s. 6d. per dozen; 60s. per 100.

**VIVID**—Rich purple. Price: 15s. per dozen; 115s. per 100.

**WAR**—Brightest red. Price: 6s. each; 60s. per dozen.

**WILLY WIGWAM**—Large-flowered bloom of a beautiful blush tint, with long, bright tulip blotch on lower petals. Price: 15s. per dozen; 110s. per 100.

**WILD ROSE**—A remarkably fine, delicate pink, with wild rose tints. Price: 7s. 6d. per dozen; 60s. per 100.

The following set of six new Gladioli we will be pleased to supply at 2s. each; 12s. per dozen; 120s. per 100.

**CHARMER**—Large, broad-petaled flowers of soft mauve-pink.

**DAZZLER**—Vivid salmon-scarlet marked in throat with orange.

**ENCHANTRESS**—Blush-white lightly flaked with lake-pink.

**FASCINATOR**—Magnificent salmon-pink flamed with carmine.

**GORGEOUS**—Vivid scarlet with large, white throat.

**VIOLA**—Deep violet-blue with a white throat.

## Hardy Cacti

The following ten varieties of Cacti have proven quite hardy and will make a grand addition to rockwork or small borders:

	Price per doz.
CACTUS MISSOURIENSIS—New small-growing plant.....	18s.
ECHINOCACTUS SIMPSONI—Large head, short spines, pink flowers.....	20s.
ECHINOCACTUS SIMPSONI—Perpetual Snow (new) with woolly crowns.....	60s.
ECHINOCACTUS VIRIDIFLORUS—Neat growing plant for rockwork.....	15s.
OPUNTIA ARENARIA—Small-growing species .....	12s.
OPUNTIA CAMANCHICA—Very spiny and showy .....	12s.
OPUNTIA MESACANTHA—Good compact-growing species .....	12s.
OPUNTIA PHAEACANTHA MAJOR—Large grower .....	15s.
OPUNTIA POLYACANTHA—Quantity of white spines .....	12s.
OPUNTIA POLYACANTHA ALBISPINA—White-spined, fine variety .....	15s.

## Other New Plants

	Price each	Price per doz.
LEWISIA COTYLEDON (New)—Fine plant with fleshy leaves and large golden yellow and crimson flowers formed like a rose.....	2s. 6d.	24s.
LEWISIA HOWELLII (New)—Beautiful and rare plant with large satiny rose flowers .....	2s. 0d.	20s.
LEWISIA TWEEDII (New)—Leaves rather broad and thick; flowers large of salmon-pink color .....	2s. 0d.	20s.
OENOTHERA OVATA (New)—Neat plant of compact habit, producing large bright yellow flowers .....	1s. 6d.	15s.
PAPAPER ALTAICUM—A constant bloomer, producing quantity of beautiful flowers larger than P. nudicaule, of a pretty salmon-red color during the entire season .....	1s. 6d.	15s.
FOURCROYA WATSONII—A remarkable plant with long thick leaves, beautifully colored with broad stripes of which yellow and red stripes on bright green ground; a rare plant. Price on application.		

We also handle all the meritorious **Novelties** of **English** and **Continental** origin, and can supply same at market prices.

While this catalog is being printed the Third International Horticultural Exhibition took place in New York.

We were awarded:

**GRAND CHALLENGE CUP**  
**THREE SILVER CUPS**  
**FOUR GOLD MEDALS**  
**FIFTEEN SILVER MEDALS**  
**FIVE BRONZE MEDALS**

One thousand one hundred and fifty-six dollars in cash. Altogether, Ninety-three Prizes. A world's record.

FINALE—Cable received from the Grand Ghent Horticultural Exhibition, from our representative, announcing the winning of **Five Medals**.

**THREE FIRST PRIZES FOR POLYPODIUM MANDAIANUM**  
**SILVER MEDAL FOR ASPARAGUS ELONGATUS**  
**SILVER MEDAL FOR NEW CALCEOLORIA**

Procure your supply of American Plants, Seeds or Bulbs from us. We are the headquarters and can serve you right.



## New Lilies

**LILIUM HENRYII**—A grand hardy lily which can be best described as Yellow Speciosus. Price: 3s. each; 30s. per dozen.

**LILIUM MYRIOPHYLLUM**—Equally as fine as Sargentiae with large white flowers suffused with pink and canary yellow. Very fragrant. Awarded Silver Medal. Price: 6s. each; 60s. per dozen.

**LILIUM SARGENTIAE**—A grand new Chinese Lily with large greenish white flowers shaded purple on the outside. Fragrant. Awarded Silver Medal. Price: 6s. each; 60s. per dozen.

**NEW FREESIA PURITY**—This variety produces very large open flowers which are entirely pure white and of a good substance. Fine bulbs. Price: 2s. per dozen; 12s. per 100; £5 per 1,000.

**LILIUM TENUIFOLIUM, GOLDEN GLEAM**—This is a golden yellow variety of the *Lilium Tenuifolium* which good quality it possesses. Nice bulbs. Price: 3s. each; 30s. per dozen.

## New Dahlias

**DAHLIA CALIFORNIA**—A decorative and very distinct variety with the habit of *Dahlia Imperialis*. Large well-made flower of rose color. Very floriferous and lasting. Price: 4s. each; 40s. per dozen.

**DAHLIA J. THOMPSON**—A decorative variety of great substance. Free flowering, producing very large, bright red flowers. Price: 3s. each; 30s. per dozen.

## Orchids

Following the Old World, the culture of Orchids in the last few years has developed to quite a large extent, not so much in Hybrids as in the culture of natural species in large quantities both for plants and for cut-flower purposes.

This necessitated numerous importations of such leading Orchids as *Cattleya Trianae*, *Gigas*, *Schroederae*, *Mossiae*, *Percivaliana*, *Mendelii*, *Labiata*, and hosts of others.

Naturally, amongst the enormous quantity of these plants so imported, we have found some beautiful gems of extraordinary varieties which we have been gathering over ten years, and have now, perhaps, the largest collection of the finest types and forms of these leading Orchids, which are easily cultivated, and we strongly recommend these rare and beautiful forms to any Orchid fancier growing these beautiful plants, either as a variety or to the Hybridizer, who, with these superior types, can produce much more beautiful Hybrids than with the common and ordinary varieties.

We expect to publish shortly a full list of these rare and unique types, which we will be glad to send on application to anyone interested in Orchids.

## Osmunda Fiber or Orchid Peat

It is over twenty years ago since the former firm of Pitcher & Manda began to introduce the Fern Fiber as the best material for Orchid culture, and especially for cultivating *Cattleya* and *Laelia*.

The United States, as it is well-known, is the country from which this material is imported, and, being right in the country and having control of large fields where this material grows, with best facilities for furnishing this material of the very best quality and at the lowest price obtainable, we would be pleased to receive small orders if only for a half dozen or dozen sacks of the *Osmunda Fiber*, which will convince you and make you a continuous customer.

Price per bag, 6s. each at St. Albans, or 4s. per bag at South Orange, N. J., U. S. A.



**Cut Fronds of Polypodium Mandaianum**

Which will last from 30 to 60 days in water. The photo-engraving on the front cover shows a stand 15 feet high made up of cut fronds which were cut at South Orange, May 5th, kept out of water till May 22nd, placed on exhibition, and for 8 days after the close were still in fresh condition.



# American Plants Seeds and Bulbs

(With Few Other Japanese, Mexican and European Varieties)

Native collected plants, especially such as Ferns, Orchids, Insectivorous Plants, Water and Bog Plants, Hardy Herbaceous and Alpine Plants, also all the leading varieties of native trees and shrubs.

With our numerous collectors scattered all over this immense country where the flora is so diversified and beautiful, we are in the best position to furnish every variety of Native American Plants at a very reasonable price, considering that we do not send anything but first-class stock that will give results and satisfaction.

Should anyone desire lighter or ordinary stock in large quantities, we will be pleased to submit a special figure for this, but strongly recommend to buy nothing but the very best and selected stock.

## Native American Ferns

Strong Freshly Collected Roots.

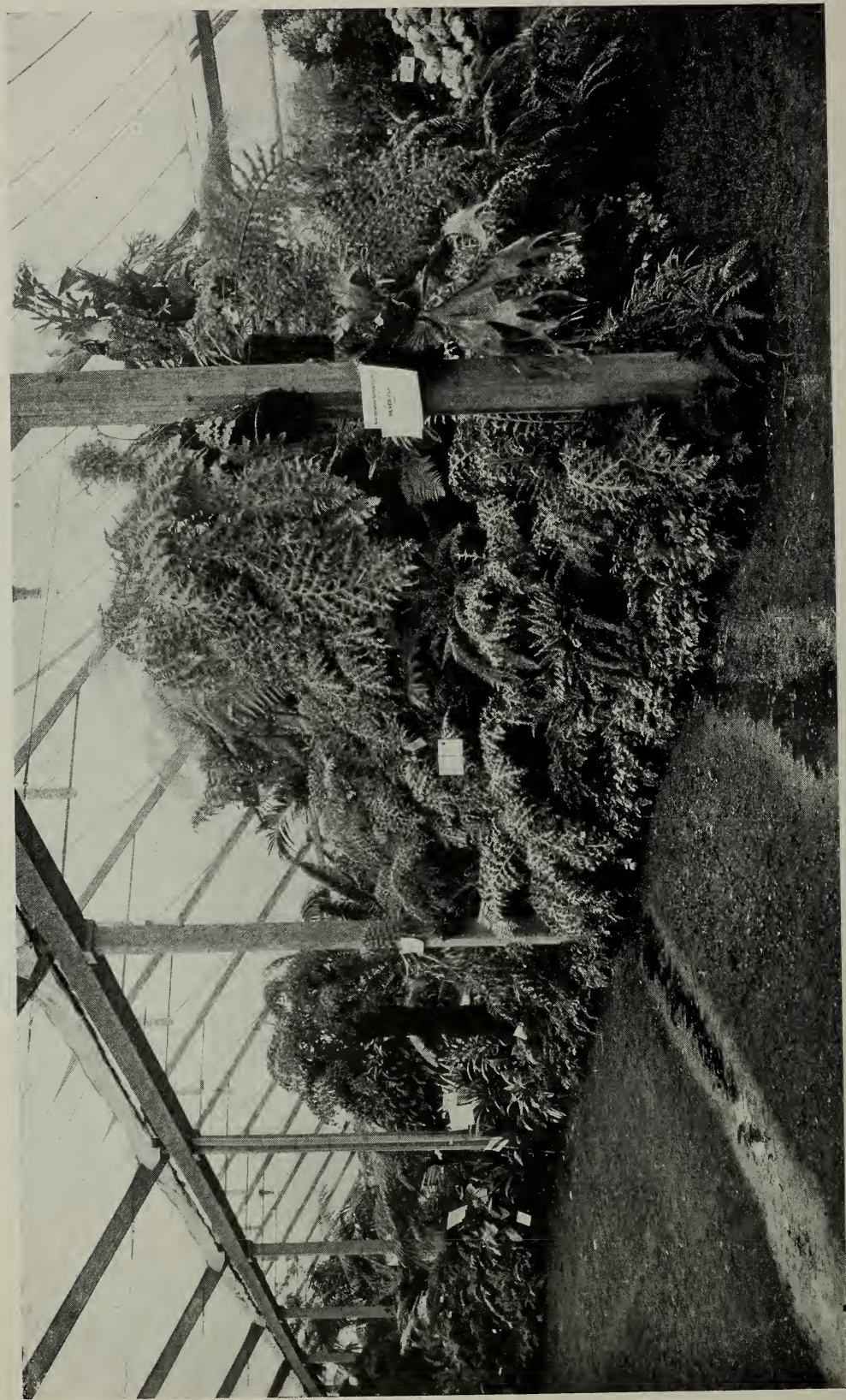
	Price per 100 £ s. d.		Price per 100 £ s. d.
Adiantum pedatum (Maidenhair) ..	2 0 0	Cystopteris fragilis .....	1 10 0
Adiantum pedatum var. Californi- cum .....	3 0 0	Dicksonia punctilobula .....	1 10 0
Aspidium acrostichoides (Christmas Fern) .....	1 10 0	Lygodium palmatum (Climbing ... Fern) .....	4 0 0
Aspidium aculatum var. Braunii ...	4 0 0	Lomaria spicant .....	2 0 0
Aspidium cristatum .....	2 0 0	Onoclea sensibilis (Sensitive Fern) ..	1 10 0
Aspidium var. Clintonianum .....	2 0 0	Onoclea struthiopteris .....	2 0 0
Aspidium Felix-mas (Male Fern) ..	4 0 0	Ophioglossum vulgatum (Adder's ... Tongue) .....	2 0 0
Aspidium Goldianum .....	4 0 0	Osmunda gracilis (Flowering Fern) ..	3 0 0
Aspidium marginale .....	2 0 0	Osmunda Claytoniana .....	3 0 0
Aspidium munitum .....	2 10 0	Osmunda cinnamomea (Cinnamon ... Fern) .....	3 0 0
Aspidium Noveboracense .....	1 10 0	Pellaea atropurpurea (Cliff Brake) ..	5 0 0
Aspidium spinulosum .....	2 0 0	Pellaea andromedifolia .....	2 0 0
Aspidium dilatatum .....	3 0 0	Pellaea densa (Oregon Cliff Brake) ..	2 0 0
Aspidium Thelypteris .....	2 0 0	Pellaea gracilis .....	4 0 0
Asplenium angustifolium .....	3 0 0	Phegopteris Dryopteris (Beech Fern) ..	1 10 0
Asplenium ebeneum .....	2 0 0	Phegopteris hexagonoptera .....	2 0 0
Asplenium Felix-foemina .....	2 0 0	Phegopteris Polypodoides .....	2 0 0
Asplenium Thelypteroides .....	2 0 0	Polypodium vulgare (Polypod.) ....	1 0 0
Asplenium Trichomanes .....	2 0 0	Polypodium falcatum .....	3 0 0
Botrychium ternatum dissectum ...	3 0 0	Woodsia ilvensis .....	2 0 0
Botrychium obliquum .....	3 0 0	Woodsia obtusa .....	2 0 0
Botrychium Virginicum .....	3 0 0	Woodwardia angustifolia (Chain ... Leaf) .....	4 0 0
Camptosorus rhizophyllus (Walking Leaf) .....	3 0 0	Woodwardia Virginica .....	2 0 0
Cryptogramma acrostichoides .....	4 0 0	Woodwardia radians clumps .....	4 0 0
Cystopteris bulbifera .....	1 10 0		

## American Orchids

Strong Freshly Collected Roots.

	Price per 100 £ s. d.		Price per 100 £ s. d.
Aplectrum hyemale (Puttyroot) ...	2 0 0	Goodyera repens .....	3 0 0
Calopogon pulchellus .....	1 10 0	Habenaria blephariglottis (White .. fringed Orchis) .....	3 0 0
Cypripedium acaule (Lady's-slipper)	1 10 0	Habenaria bracteata .....	2 0 0
Cypripedium Californicum .....	4 0 0	Habenaria ciliaris (Yellow fringed ... Orchis) .....	3 0 0
Cypripedium montanum .....	2 0 0	Habenaria dilatata .....	2 0 0
Cypripedium parviflorum (Small yel- low lady's-slipper) .....	2 10 0	Habenaria hyperborea .....	2 0 0
Cypripedium pubescens (Large yel- low lady's-slipper) .....	2 10 0	Habenaria Hookeri (Two-leaved ... Orchis) .....	3 0 0
Cypripedium spectabile (Showy ... Lady's-slipper) .....	2 10 0	Habenaria psychodas (Purple Fringed Orchis) .....	2 0 0
Cypripedium spectabile, large clump .....	5 0 0	Liparis liliifolia (Twayblade) ....	3 0 0
Cypripedium fasciculatum .....	5 0 0	Liparis Loeselii .....	3 0 0
Epipactis gigantea .....	3 0 0	Orchis spectabilis (Showy Orchis) ..	3 0 0
Goodyera pubescens (Rattlesnake ... Plantain) .....	2 0 0	Pogonia ophioglossoides .....	2 0 0
Goodyera Menziesii .....	4 0 0	Spiranthes cernua (Lady's Tresses) ..	1 10 0
		Spiranthes brevifolia .....	2 0 0
		Spiranthes gracilis .....	2 0 0





Group of Ferns Showing Polypodium Mandaianum Grown on Stem of Tree Ferns, Blocks, Baskets, Balls, Pots and Pans at the Great Royal International Horticultural Exhibition, London, May, 1912. Silver Cup



## Insectivorous Plants

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
Darlingtonia Californica, strong....	8	0	0	Sarracenia purpurea, strong.....	2	0	0
Dionaea muscipula (Venus's Fly- trap) .....	2	0	0	Sarracenia Drummondi .....	4	0	0
Drosera filiformis .....	2	0	0	Sarracenia flava .....	3	0	0
Drosera longifolia .....	2	0	0	Sarracenia rubra .....	3	0	0
Drosera rotundifolia .....	1	0	0	Sarracenia variolaris .....	4	0	0
				Sarracenia psittacina .....	4	0	0

## Bog and Water Plants

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
Acorus Calamus .....	0	10	0	Nymphaea odorata, Ait. var. minor	2	0	0
Arisaema triphyllum .....	0	10	0	Nymphaea tuberosa .....	2	0	0
Brasenia peltata .....	2	0	0	Nymphaea flava .....	5	0	0
Calla palustris .....	1	0	0	Orontium aquaticum .....	1	10	0
Caltha palustris, L. var., parnas- sifolia .....	2	0	0	Peltandra Virginica .....	1	0	0
Dionaea muscipula .....	2	0	0	Pontederia cordata .....	2	0	0
Drosera .....	2	0	0	Sarracenia in vars.....	2	to £4	
Helonias bullata .....	2	0	0	Sagittaria variabilis, Englm. ....	0	10	0
Menyanthes trifoliata .....	1	0	0	Symplocarpus foetidus .....	0	10	0
Nelumbium luteum .....	4	0	0	Trollius laxus .....	3	0	0
Nuphar advena .....	2	0	0	Typha latifolia .....	0	10	0
Nuphar luteum var. pumilum .....	2	0	0	Typha angustifolia .....	0	10	0
Nuphar sagittaeifolia .....	3	0	0	Vallisneria spiralis .....	1	0	0

## American Conifers

Collected Seedlings, One to Three Feet High.

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
Abies alba .....	1	0	0	Juniperus Virginiana .....	1	0	0
Abies Canadensis .....	1	0	0	Pinus strobus .....	1	0	0
Abies balsamea .....	1	0	0	Pinus pungens .....	2	0	0
Abies Fraseri .....	1	0	0	Picea pungens .....	2	0	0
Abies Caroliniana .....	5	0	0	Picea pungens glauca .....	4	0	0
Abies rubra .....	2	0	0	Taxodium distichum .....	1	0	0
Abies taxifolia .....	2	0	0	Taxus baccata, L., var. Canadensis	3	0	0
Cupressus Lawsonii .....	1	0	0	Thuja occidentalis .....	1	0	0
Cupressus Nutkaensis .....	1	0	0				

## American Vines

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
Adlumia cirrhosa .....	1	0	0	Gelsemium sempervirens .....	2	0	0
Ampelopsis quinquefolia .....	1	0	0	Ipomoea pandurata .....	3	0	0
Bignonia capreolata .....	2	0	0	Passiflora incarnata .....	2	0	0
Clematis verticillaris .....	3	0	0	Tecoma radicans .....	1	0	0
Clematis ochroleuca .....	3	0	0	Vitis acidia .....	1	0	0
Clematis Baldwini .....	3	0	0	Vitis bipinnata .....	1	0	0
Clematis ovata .....	3	0	0	Vitis Labrusca .....	1	0	0
Clematis viorna .....	1	0	0	Vitis Caribaea .....	1	0	0
Clematis Pitcheri .....	3	0	0	Vitis aestivalis .....	1	0	0
Clematis cylindrica .....	3	0	0	Vitis cordifolia .....	1	0	0
Clematis crispa .....	2	0	0	Vitis riparia .....	1	0	0
Clematis reticulata .....	3	0	0	Vitis vulpina .....	1	0	0
Clematis Virginiana .....	1	0	0	Vitis indivisa .....	1	0	0
Clematis Catesbyana .....	3	0	0	Vitis incisa .....	1	0	0
Clematis holosericea .....	3	0	0	Wistaria frutescens .....	1	0	0



**Seven Cups, Fifteen Medals and One Diploma of Honor**  
Won at the Great Royal International Exhibition, London, England, May, 1912



## Hardy Herbaceous Plants

Cultivated or Freshly Collected Strong Stock and True to Name

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
<i>Aconitum uncinatum</i> .....	2	0	0	<i>Gaultheria procumbens</i> .....	3	0	0
<i>Actaea spicata</i> L., var. <i>rubra</i> .....	2	0	0	<i>Gentiana Andrewsii</i> .....	1	0	0
<i>Actaea alba</i> .....	2	0	0	<i>Geum triflorum</i> .....	2	0	0
<i>Agave Virginica</i> .....	2	0	0	<i>Gillenia trifoliata</i> .....	2	0	0
<i>Aletris farinosa</i> .....	2	0	0	<i>Helenium autumnale</i> .....	1	0	0
<i>Amaryllis Atamasco</i> .....	0	10	0	<i>Helianthus decapetalus</i> .....	1	0	0
<i>Amianthium muscaetoxicum</i> .....	2	0	0	<i>Helianthus giganteus</i> .....	1	0	0
<i>Amianthium angustifolium</i> .....	2	0	0	<i>Helianthus mollis</i> .....	1	0	0
<i>Amsonia Tabernaemontana</i> .....	1	10	0	<i>Helonias bullata</i> .....	2	0	0
<i>Anemone patens</i> , L., var. <i>Nuttalliana</i> .....	3	0	0	<i>Hepatica acutiloba</i> .....	1	0	0
<i>Anemone Caroliniana</i> .....	2	0	0	<i>Heuchera Americana</i> .....	1	0	0
<i>Anemone parviflora</i> .....	1	0	0	<i>Heuchera pubescens</i> .....	1	0	0
<i>Anemone multifida</i> .....	2	0	0	<i>Hibiscus Moscheutos</i> .....	2	0	0
<i>Anemone cylindrica</i> .....	2	0	0	<i>Hibiscus incanus</i> .....	2	0	0
<i>Anemone Pennsylvanica</i> .....	1	10	0	<i>Hibiscus grandiflorus</i> .....	3	0	0
<i>Apios tuberosa</i> .....	1	0	0	<i>Hibiscus militaris</i> .....	3	0	0
<i>Aquilegia Canadensis</i> .....	1	0	0	<i>Hibiscus resplendens</i> , new .....	5	0	0
<i>Aralia hispida</i> .....	1	0	0	<i>Houstonia purpurea</i> .....	1	0	0
<i>Aralia quinquefolia</i> .....	1	0	0	<i>Houstonia angustifolia</i> , var. <i>filifolia</i> .....	1	0	0
<i>Aralia trifolia</i> .....	1	0	0	<i>Houstonia coerulea</i> .....	1	0	0
<i>Artemisia Ludoviciana</i> .....	1	0	0	<i>Houstonia serpyllifolia</i> .....	1	0	0
<i>Artemisia frigida</i> .....	1	0	0	<i>Hydrastis Canadensis</i> .....	1	0	0
<i>Asarum Canadense</i> .....	1	0	0	<i>Hydrophyllum Virginicum</i> .....	1	0	0
<i>Asarum Virginicum</i> .....	2	0	0	<i>Hydrophyllum Canadense</i> .....	1	0	0
<i>Asarum arifolium</i> .....	2	0	0	<i>Iris versicolor</i> .....	0	10	0
<i>Asclepias incarnata</i> .....	1	0	0	<i>Iris cuprea</i> .....	2	0	0
<i>Asclepias tuberosa</i> .....	1	0	0	<i>Iris Virginica</i> .....	0	10	0
<i>Baptisia tinctoria</i> .....	1	0	0	<i>Iris verna</i> .....	1	0	0
<i>Baptisia leucantha</i> .....	2	0	0	<i>Iris cristata</i> .....	0	10	0
<i>Baptisia leucophaea</i> .....	2	0	0	<i>Isopyrum biternatum</i> .....	1	0	0
<i>Baptisia australis</i> .....	1	0	0	<i>Jeffersonia diphylla</i> .....	1	10	0
<i>Boltonia aesteroides</i> .....	1	0	0	<i>Lactuca Canadensis</i> , L. var. <i>integri-</i>			
<i>Boltonia asteroides</i> , nana, new .....	4	0	0	<i>folia</i> .....	1	0	0
<i>Boltonia glastifolia</i> , L'Her. .....	1	0	0	<i>Lepachys, pinnata</i> .....	2	0	0
<i>Boltonia glastifolia</i> , L'Her. nana, ..				<i>Lespedeza violacea</i> .....	1	0	0
new .....	2	0	0	<i>Liatris elegans</i> .....	1	0	0
<i>Cardamine pratensis</i> .....	1	0	0	<i>Liatris squarrosa</i> .....	1	0	0
<i>Caulophyllum thalictroides</i> .....	1	0	0	<i>Liatris cylindracea</i> .....	1	0	0
<i>Cassia Marylandica</i> .....	1	10	0	<i>Liatris tenuifolia</i> .....	1	0	0
<i>Chamaelirium luteum</i> .....	2	0	0	<i>Liatris scariosa</i> .....	1	0	0
<i>Chelone Lyoni</i> .....	2	0	0	<i>Liatris pilosa</i> .....	1	0	0
<i>Chimaphila umbellata</i> .....	1	0	0	<i>Liatris spicata</i> .....	1	0	0
<i>Chimaphila maculata</i> .....	2	0	0	<i>Liatris graminifolia</i> , var. <i>dubia</i> .....	1	0	0
<i>Chiogenes hispidula</i> .....	3	0	0	<i>Liatris pycnostachya</i> .....	1	0	0
<i>Chrysogonum Virginianum</i> .....	1	0	0	<i>Liatris gracilis</i> .....	1	0	0
<i>Chrysosplenium Americanum</i> .....	1	0	0	<i>Liatris Chapmanii</i> .....	1	0	0
<i>Cimicifuga racemosa</i> .....	1	10	0	<i>Liatris pauciflora</i> .....	1	0	0
<i>Clintonia borealis</i> .....	1	0	0	<i>Liatris odoratissima</i> .....	1	0	0
<i>Conoclinium coelestinum</i> .....	1	0	0	<i>Liatris paniculata</i> .....	1	0	0
<i>Coptis trifolia</i> .....	1	0	0	<i>Liatris fruticosa</i> .....	1	0	0
<i>Coreopsis delphinifolia</i> .....	1	10	0	<i>Lilium Philadelphicum</i> .....	2	0	0
<i>Coreopsis lanceolata</i> .....	1	0	0	<i>Lilium Catesbaei</i> .....	3	0	0
<i>Coreopsis rosea</i> .....	1	0	0	<i>Lilium Canadense</i> .....	1	0	0
<i>Cunila Mariana</i> .....	2	0	0	<i>Lilium superbum</i> , L. var. <i>Carolinia-</i>			
<i>Dalibarda repens</i> .....	1	0	0	<i>num</i> .....	1	0	0
<i>Dentaria diphylla</i> .....	1	0	0	<i>Lilium Grayii</i> .....	2	0	0
<i>Dicentra Canadensis</i> .....	1	0	0	<i>Lilium Carolinianum</i> .....	2	0	0
<i>Dicentra eximea</i> .....	1	10	0	<i>Linnaea borealis</i> .....	3	0	0
<i>Dicentra cucullaria</i> .....	1	0	0	<i>Lobelia cardinalis</i> .....	1	0	0
<i>Diphylleia cymosa</i> .....	1	10	0	<i>Lobelia syphilitica</i> .....	1	0	0
<i>Echinacea purpurea</i> .....	2	0	0	<i>Lythrum salicaria</i> .....	2	0	0
<i>Epigaea repens</i> .....	2	0	0	<i>Medeola Virginica</i> .....	0	10	0
<i>Erythronium Americanum</i> .....	0	5	0	<i>Melanthium Virginicum</i> .....	1	0	0
<i>Eupatorium ageratoides</i> .....	1	0	0	<i>Mertensia Virginica</i> .....	1	0	0
<i>Eupatorium purpureum</i> .....	2	0	0	<i>Milla biflora</i> .....	1	0	0
<i>Euphorbia corollata</i> .....	1	0	0	<i>Mitchella repens</i> .....	1	0	0
<i>Galax aphylla</i> .....	1	10	0	<i>Mitella diphylla</i> .....	1	0	0



Plant in 5-inch Pan; Polypodium Mandaianum, 3-inch Pot.  
(See Page 5.)



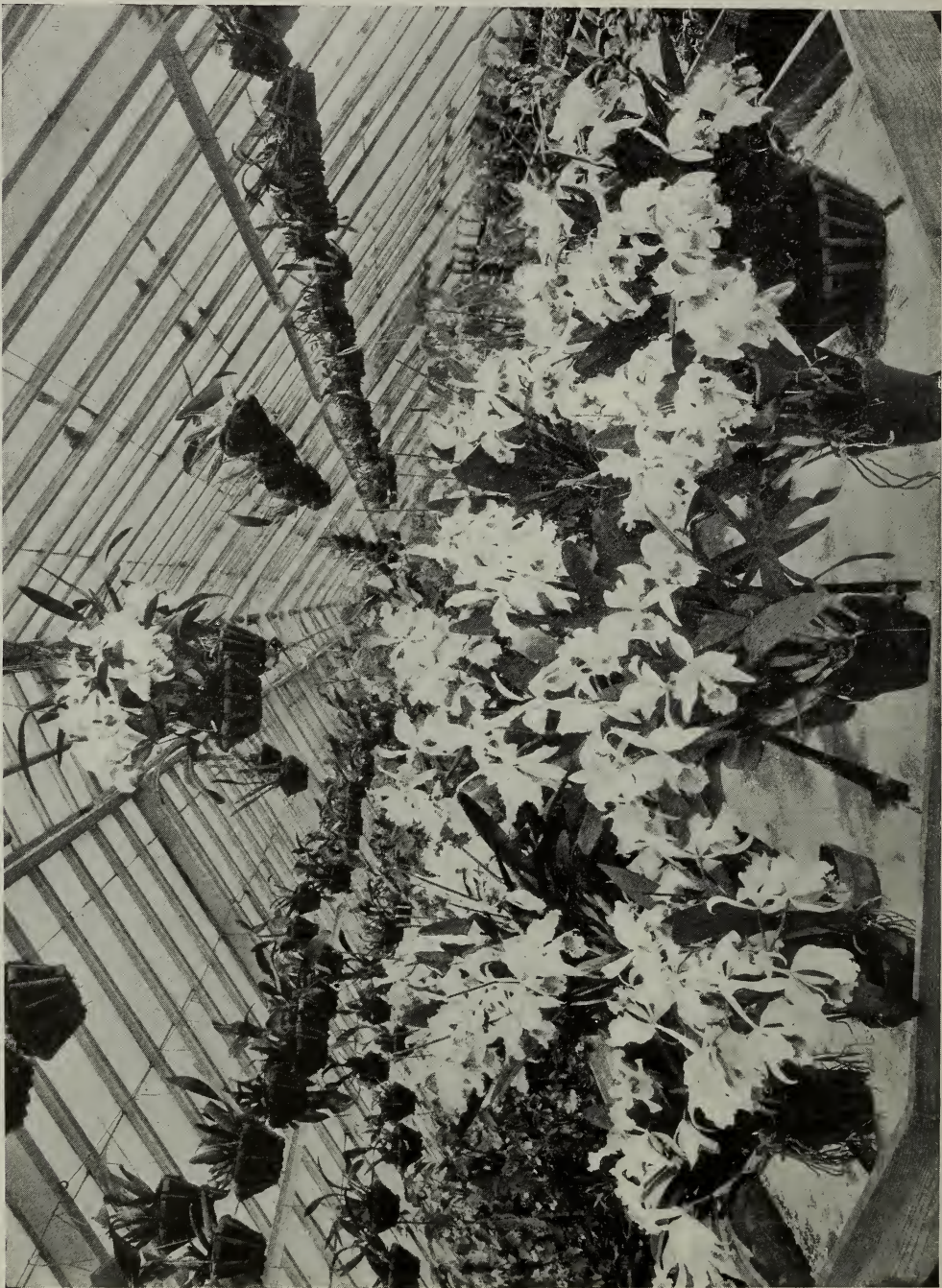
## Hardy Herbaceous Plants—Continued

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
Monarda didyma .....	1	0	0	Saxifraga Virginicensis .....	1	0	0
Monarda fistulosa .....	1	0	0	Saxifraga Pennsylvanica .....	1	0	0
Oenothera fruticosa .....	1	0	0	Shortia galacifolia .....	1	0	0
Oenothera riparia .....	1	0	0	Silene Pennsylvanica .....	1	0	0
Oenothera pumila .....	1	0	0	Silene Virginica .....	1	0	0
Opuntia vulgaris .....	2	0	0	Silphium laciniatum .....	2	0	0
Opuntia Rafinesquii .....	2	0	0	Silphium terebinthinaceum .....	2	0	0
Opuntia Polyantha .....	2	0	0	Silphium integrifolium .....	2	0	0
Opuntia Missouriensis .....	2	0	0	Sisyrinchium Bermudiana .....	1	0	0
Pachysandra procumbens .....	2	0	0	Smilacina racemosa .....	1	0	0
Parnassia parviflora .....	1	0	0	Smilacina stellata .....	1	0	0
Parnassia palustris .....	1	0	0	Smilacina trifolia .....	0	10	0
Parnassia caroliniana .....	1	0	0	Smilacina bifolia .....	1	0	0
Parnassia asarifolia .....	1	0	0	Spigelia Marylandica .....	2	0	0
Pedicularis Canadensis .....	1	0	0	Statice Limonium, L. var. Caroli-			
Pentstemon pubescens .....	1	0	0	niana .....	1	0	0
Pentstemon digitalis, Nutt. var. mul-				Stenanthium angustifolium .....	2	0	0
tiflorus .....	1	0	0	Stenanthium robustum extra .....	3	0	0
Phlox Carolina .....	1	0	0	Stokesia cyanea .....	1	0	0
Phlox glaberrima .....	1	0	0	Streptopus amplexifolius .....	1	0	0
Phlox reptans .....	1	0	0	Streptopus roseus .....	1	0	0
Phlox divaricata .....	1	0	0	Stylophorum diphyllum .....	2	0	0
Phlox pilosa .....	1	0	0	Thalictrum anemonoides .....	1	0	0
Phlox subulata .....	1	0	0	Thermopsis Caroliniana .....	2	0	0
Physostegia Virginiana .....	1	0	0	Thermopsis fraxinifolia .....	2	0	0
Phytolacca decandra .....	1	0	0	Thermopsis mollis .....	2	0	0
Pinguicula lutea .....	2	0	0	Tiarella cordifolia .....	1	0	0
Pinguicula elatior .....	2	0	0	Tradescantia Virginica .....	0	10	0
Pinguicula australis .....	2	0	0	Trillium sessile .....	1	0	0
Pinguicula vulgaris .....	2	0	0	Trillium recurvatum .....	1	0	0
Podophyllum peltatum .....	1	0	0	Trillium pusillum .....	2	0	0
Polemonium reptans .....	1	0	0	Trillium grandiflorum .....	1	0	0
Polemonium coeruleum .....	1	0	0	Trillium erectum L., var. album .....	1	0	0
Polygonatum biflorum .....	1	0	0	Trillium cernuum .....	1	0	0
Polygonatum latifolium .....	1	0	0	Trillium stylosum .....	1	0	0
Poterium Canadense .....	1	0	0	Trillium nivale .....	1	0	0
Pyrola rotundifolia .....	1	0	0	Trillium erythrocarpum .....	2	0	0
Pyrola chlorantha .....	1	0	0	Triosteum perfoliatum .....	1	0	0
Pyxidanthra barbatula .....	2	0	0	Uvularia grandiflora .....	1	0	0
Rhexia Virginica .....	1	0	0	Uvularia flava .....	1	0	0
Rudbeckia fulgida .....	1	0	0	Veratrum viride .....	2	0	0
Rudbeckia speciosa .....	1	0	0	Veronica Novboracens .....	2	0	0
Rudbeckia triloba .....	1	0	0	Viola pedata .....	1	0	0
Rudbeckia subtomentosa .....	1	0	0	Waldsteinia fragarioides .....	1	0	0
Rudbeckia laciniata .....	1	0	0	Xerophyllum asphodeloides .....	2	0	0
Rudbeckia Mandaiana, new .....	4	0	0	Yucca filamentosa .....	1	0	0
Rudbeckia maxima .....	3	0	0	Yucca gloriosa .....	2	0	0
Ruellia ciliosa .....	1	0	0	Yucca aloefolia .....	2	0	0
Sanguinaria Canadensis .....	1	0	0	Yucca recurvifolia .....	2	0	0

## American Trees and Shrubs

Transplanted or Collected Stock, One to Three Feet in Height According to Variety

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
Acer Pennsylvanica .....	1	0	0	Amorpha fruticosa .....	1	0	0
Acer spicatum .....	1	0	0	Amorpha herbacea .....	1	0	0
Acer saccharinum, var. nigrum .....	1	0	0	Amorpha canescens .....	1	0	0
Acer dasycarpum .....	1	0	0	Amorpha nitida .....	2	0	0
Acer rubrum .....	1	0	0	Andromeda polifolia .....	2	0	0
Aesculus glabra .....	1	0	0	Andromeda floribunda .....	5	0	0
Aesculus parviflora .....	1	0	0	Andromeda speciosa .....	3	0	0
Aesculus flava, var. purpurescens .....	1	0	0	Andromeda ligustrina .....	2	0	0
Aesculus Pavia .....	1	0	0	Andromeda Mariana .....	2	0	0
Alnus Oregona .....	0	10	0	Andromeda Catesbaei .....	2	0	0
Amelanchier Canadensis .....	1	0	0	Aralia spinosa .....	2	0	0
Amelanchier " var. Botryapium .....	1	0	0	Arbutus Menziesii .....	1	0	0
Amelanchier " " oblongifolia .....	1	0	0	Arctostaphylos Uva-ursi .....	2	0	0
Amelanchier " " rotundifolia .....	1	0	0	Arctostaphylos alpina Spreng .....	2	0	0
Amelanchier " " alnifolia .....	1	0	0	Asimina triloba .....	3	0	0
Amelanchier " " oligocarpa .....	1	0	0	Azalea arborescens .....	3	0	0
				Azalea viscosa .....	3	0	0

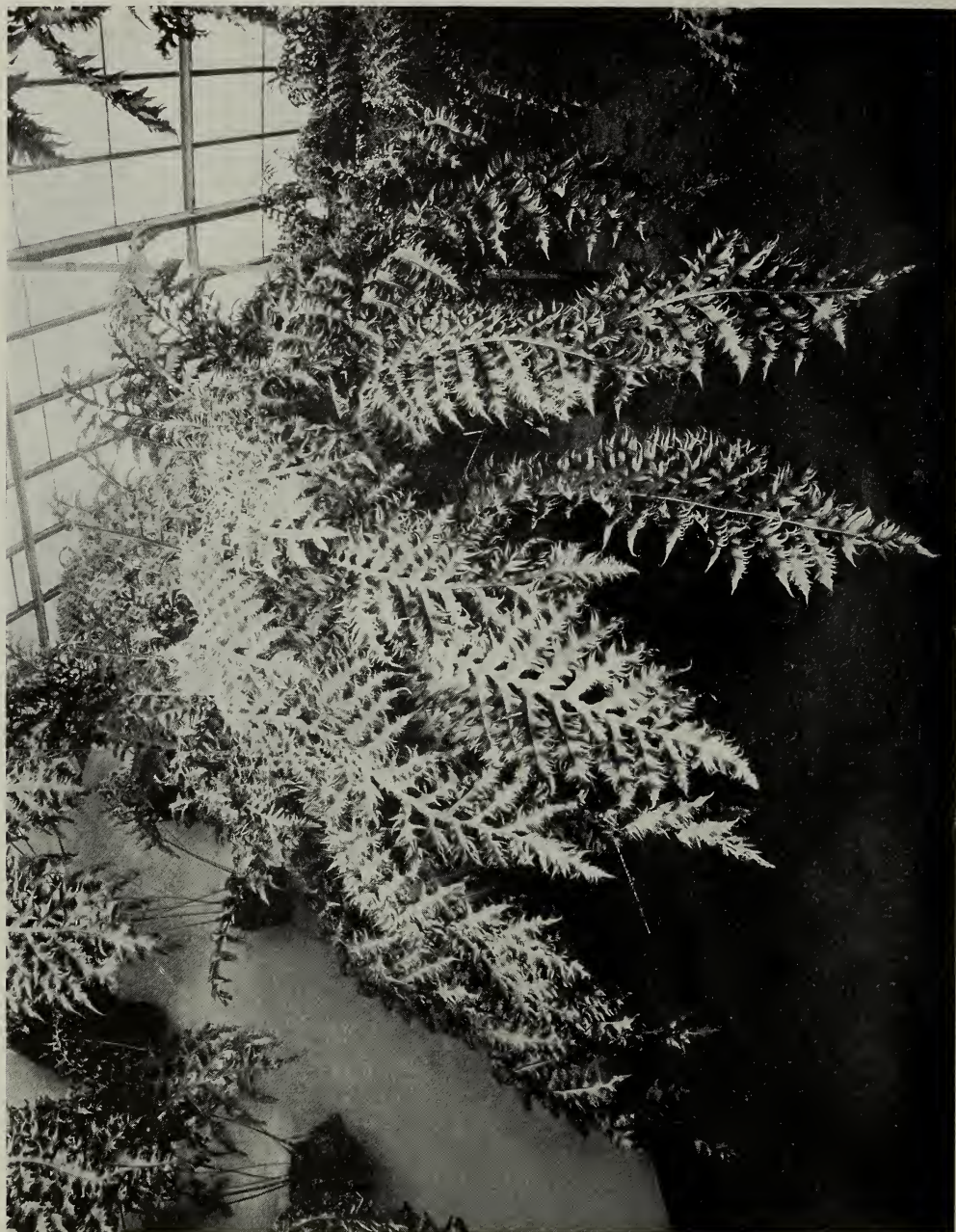


One of Our Orchid Houses at South Orange, N. J.



## American Trees and Shrubs—Continued

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
Azalea nudiflora .....	3	0	0	Lonicera flava .....	1	0	0
Azalea calendulacea .....	3	0	0	Lonicera involucrata .....	1	0	0
Azalea Vaseyi .....	4	0	0	Lonicera ciliata .....	1	0	0
Baccharis halimifolia .....	1	0	0	Lonicera coerulea .....	1	0	0
Baccharis glomeruliflora .....	1	0	0	Lonicera oblongifolia .....	1	0	0
Baccharis angustifolia .....	1	0	0	Magnolia grandiflora .....	3	0	0
Betula lenta .....	1	0	0	Magnolia glauca .....	3	0	0
Betula lutea .....	1	0	0	Magnolia Umbrella .....	2	0	0
Betula alba var. populifolia .....	1	0	0	Magnolia acuminata .....	2	0	0
Betula papyracea .....	1	0	0	Magnolia cordata .....	2	0	0
Betula pumila .....	1	0	0	Magnolia Fraseri .....	2	0	0
Betula glandulosa .....	1	0	0	Magnolia macrophylla .....	2	0	0
Callicarpa Americana .....	2	0	0	Menziesia ferruginea, Smith, var.			
Calycanthus floridus .....	1	0	0	globularis .....	3	0	0
Calycanthus laevigatus .....	1	0	0	Myrica cerifera .....	1	10	0
Calycanthus glaucus .....	1	0	0	Negundo aceroides .....	1	0	0
Carpinus Americana .....	1	0	0	Nesaea verticillata .....	2	0	0
Cassandra calyculata .....	2	0	0	Nevusia Alabamensis .....	2	0	0
Castanea vesca .....	1	0	0	Nyssa multiflora .....	2	0	0
Castanea pumila .....	1	0	0	Nyssa aquatica .....	2	0	0
Catalpa bignonioides .....	1	0	0	Oxydendrum arboreum .....	2	0	0
Ceanothus Americanus .....	1	0	0	Potentilla fruticosa .....	1	0	0
Cephalanthus occidentalis .....	1	0	0	Ptelea trifoliata .....	1	0	0
Cercis Canadensis .....	1	0	0	Pyrus Angustifolia .....	1	0	0
Chionanthus Virginica .....	2	0	0	Pyrus arbutifolia .....	1	0	0
Cladrastis tinctoria .....	2	0	0	Pyrus Americana .....	1	0	0
Clethra acuminata .....	2	0	0	Rhamnus Purshiana .....	2	0	0
Clethra auriculata .....	2	0	0	Rhododendron maximum £1 0 0 to	5	0	0
Compontia asplenifolia .....	1	10	0	Rhododendron Catawbiense			
Cornus Canadensis .....	1	0	0	£1 0 0 to 5	0	0	0
Cornus florida .....	1	0	0	Rhodora Canadensis .....	2	0	0
Cornus circinata .....	1	0	0	Rhus typhina .....	1	0	0
Cornus sericea .....	1	0	0	Rhus glabra .....	1	0	0
Cornus stolonifera .....	1	0	0	Rhus copallina .....	1	0	0
Cornus asperifolia .....	1	0	0	Ribes Cynosbati .....	1	0	0
Cornus stricta .....	1	0	0	Ribes hirtellum .....	1	0	0
Cornus paniculata .....	1	0	0	Ribes rotundifolium .....	1	0	0
Cornus alternifolia .....	1	0	0	Ribes gracile .....	1	0	0
Corylus Americana .....	1	0	0	Ribes lacustre .....	1	0	0
Crataegus spathulata .....	1	0	0	Ribes prostratum .....	1	0	0
Crataegus cordata .....	1	0	0	Ribes resinsum .....	1	0	0
Crataegus arborescens .....	1	0	0	Ribes floridum .....	1	0	0
Crataegus coccinea .....	1	0	0	Ribes rubrum .....	1	0	0
Crataegus tomentosa .....	1	0	0	Robinia viscosa .....	1	0	0
Diervilla trifida .....	1	0	0	Robinia hispida, var. Elliottii .....	1	0	0
Diervilla sessilifolia .....	1	0	0	Rosa setigera .....	1	0	0
Diospyros Virginiana .....	1	0	0	Rosa Carolina .....	1	0	0
Dirca palustris .....	2	0	0	Rosa lucida .....	1	0	0
Euonymus Americanus, var. obovatus	1	0	0	Rosa blanda .....	1	0	0
Fagus ferruginea .....	1	0	0	Rubus odoratus .....	1	0	0
Fothergilla alnifolia .....	1	0	0	Rubus Nukanus .....	1	0	0
Gaylussacia brachycera .....	2	0	0	Rubus Chamaemorus .....	1	0	0
Gaylussacia dumosa .....	2	0	0	Rubus triflorus .....	1	0	0
Gaylussacia frondosa .....	2	0	0	Rubus villosus .....	1	0	0
Gaylussacia resinosa .....	2	0	0	Sambucus Canadensis .....	1	0	0
Gaylussacia ursina .....	2	0	0	Sambucus pubens .....	1	0	0
Gleditsia triacanthos .....	1	0	0	Sassafras officinale .....	2	0	0
Gleditschia monosperma .....	1	0	0	Stuartia Virginica .....	2	0	0
Gordonia Lasianthus .....	3	0	0	Stuartia pentagyna .....	3	0	0
Gordonia pubescens .....	3	0	0	Symphoricarpus occidentalis .....	1	0	0
Gymnocladus Canadensis .....	2	0	0	Symphoricarpus racemosus, var.			
Halesia diptera .....	2	0	0	pauciflorus .....	1	0	0
Halesia tetraptera .....	2	0	0	Symphoricarpus vulgaris .....	1	0	0
Hamamelis Virginica .....	1	0	0	Tilia Americana var. pubescens .....	1	0	0
Hydrangea arborescens .....	1	0	0	Vaccinium arboreum .....	2	0	0
Hydrangea radiata .....	2	0	0	Vaccinium corymbosum .....	2	0	0
Hydrangea quercifolia .....	2	0	0	Vaccinium Oxycoccus .....	2	0	0
Ilex opaca .....	3	0	0	Vaccinium Pennsylvanicum .....	2	0	0
Itea Virginica .....	1	0	0	Viburnum molle .....	1	0	0
Kalmia latifolia .....	2	0	0	Viburnum pubescens .....	1	0	0
Kalmia glauca .....	2	0	0	Viburnum acerifolium .....	1	0	0
Ledum latifolium .....	2	0	0	Viburnum pauciflorum .....	1	0	0
Leiophyllum buxifolium .....	2	0	0	Viburnum lantanoides .....	1	0	0
Leiophyllum buxifolium var. prostratum	2	10	0	Viburnum Lentago .....	1	0	0
Leucothoe Catesbaei .....	2	0	0	Viburnum prunifolium .....	1	0	0
Lindera Benzoin .....	1	10	0	Viburnum nudum .....	1	0	0
Liquidambar Stracyflua .....	1	0	0	Viburnum obovatum .....	1	0	0
Lonicera sempervirens .....	1	0	0	Viburnum dentatum .....	1	0	0
				Zanthoriza apiifolia .....	1	0	0



Specimen Polypodium Mandaianum, 11 Feet Across.

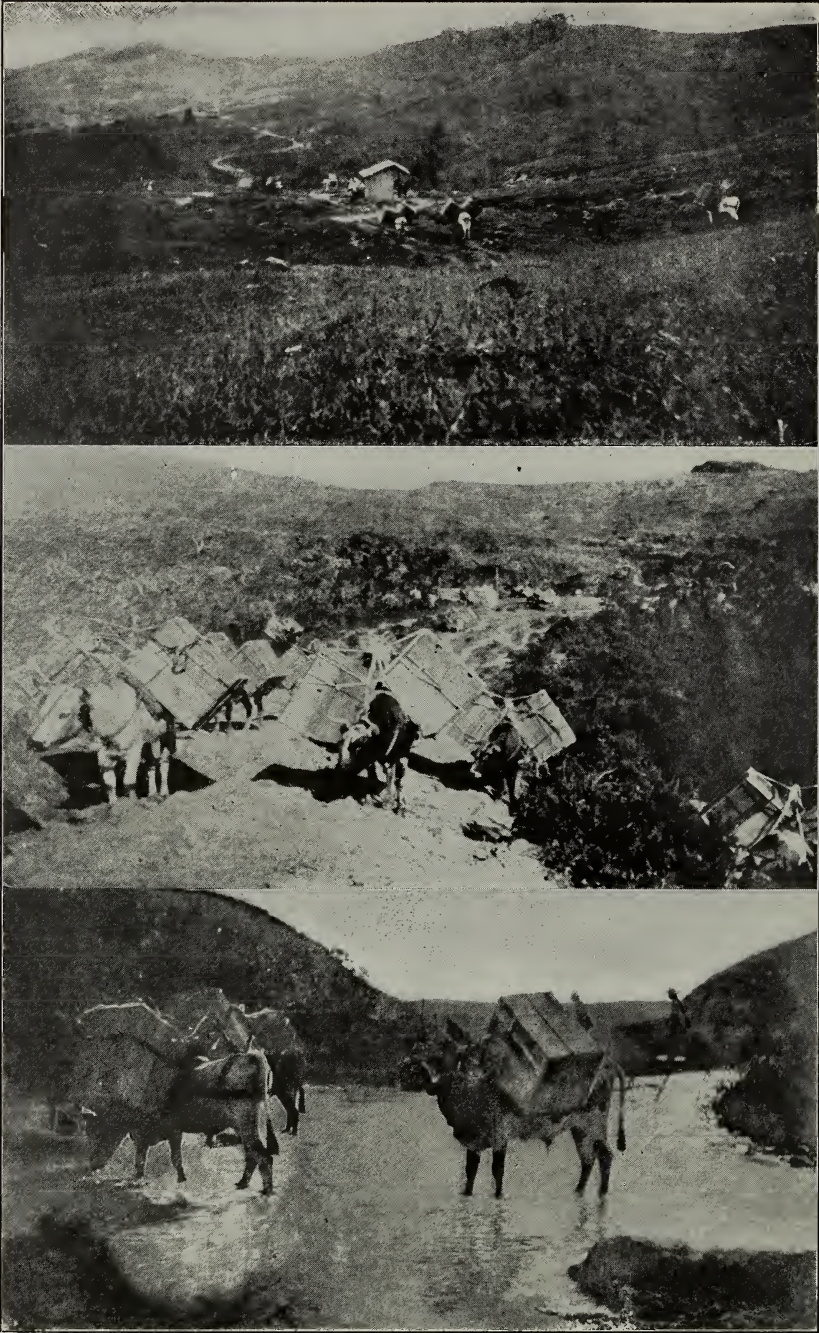


## Native American Bulbs

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
Brodiaea capitata, blue .....	0	5	0	Calochortus Vesta .....	1	0	0
Brodiaea coccinea, Floral Fire- cracker .....	0	10	5	Camassia Cusickii .....	1	10	0
Brodiaea ixiodes splendens .....	0	15	0	Camassia esculenta, improved .....	0	5	5
Brodiaea lactea, milky white .....	0	7	6	Camassia Leichtlinii, Cream .....	1	0	0
Brodiaea laxa .....	0	5	0	Camassia Leichtlinii, Montana .....	1	0	0
Brodiaea laxa, purple king .....	1	5	0	Camassia Leichtlinii, Purple .....	1	0	0
Brodiaea pedunculari .....	0	10	6	Camassia Frazerii .....	0	5	0
Brodiaea Purdyii .....	1	0	0	Camassia Frazerii alba .....	1	0	0
Brodiaea stellaris .....	0	10	6	Cooperia Drummondii .....	0	5	0
Brodiaea volubilis .....	0	10	6	Cooperia pedunculata .....	0	5	0
Bloomeria aurea .....	1	0	0	Crinum Floridianum, rare .....	12	0	0
Calochortus albus .....	0	7	6	Cyclobothra flava .....	0	10	0
Calochortus albus, the pearl .....	0	15	0	Erythronium Californicum .....	0	10	6
Calochortus amabilis .....	0	7	6	Erythronium Californicum, White Beauty .....	1	0	0
Calochortus amoenus .....	1	0	0	Erythronium citrinum .....	1	10	0
Calochortus Bentharii .....	0	7	6	Erythronium giganteum .....	1	0	0
Calochortus catalina .....	1	10	0	Erythronium grandiflorum .....	1	0	0
Calochortus clavatus, new .....	2	10	0	Erythronium grandiflorum robus- tum .....	1	0	0
Calochortus Gunnisonii .....	1	5	0	Erythronium Hartwegii .....	0	15	0
Calochortus Howellii, rare .....	2	10	0	Erythronium Hendersonii .....	1	10	0
Calochortus Leichtlinii .....	1	0	0	Erythronium Howellii, rare .....	1	10	0
Calochortus lilacinus .....	0	7	6	Erythronium purpurescens .....	1	0	0
Calochortus luteus .....	0	7	6	Erythronium revolutum Johnsonii ..	2	0	0
Calochortus macrocarpus .....	1	5	0	Erythronium revolutum, pink beauty .....	1	5	0
Calochortus Maweanus major .....	0	7	6	Erythronium praecox .....	1	5	0
Calochortus Maweanus roseus .....	0	7	6	Erythronium type .....	1	0	0
Calochortus nitidus .....	0	15	0	Fritillaria agrestis .....	1	10	0
Calochortus Nuttallii .....	1	0	0	Fritillaria coccinea .....	1	0	0
Calochortus plummerae, rare .....	1	10	0	Fritillaria lanceolata gracilis .....	1	0	0
Calochortus pulchellus, True .....	1	5	0	Fritillaria liliacae .....	1	10	0
Calochortus Purdyii .....	1	0	0	Fritillaria pluriflora .....	1	5	0
Calochortus splendens .....	1	0	0	Fritillaria pudica .....	1	0	0
Calochortus splendens rubra .....	1	5	0	Fritillaria recurva .....	1	5	0
Calochortus venustus citrinus .....	0	7	6	Trillium ovatum .....	1	10	0
Calochortus venustus, gold blotched .....	1	10	0	Trillium rivale .....	2	0	0
Calochortus venustus, red to pink..	1	0	0	Trillium sessile, Californicum .....	7	15	0
Calochortus venustus, El Dorado white .....	1	0	0	Trillium sessile, snow queen .....	2	0	0
Calochortus venustus oculatus .....	0	7	6	Trillium sessile, rubra, deep maroon	1	15	0
Calochortus venustus purpurescens	1	0	0	Zephranthus Texana .....	0	5	0
Calochortus venustus roseus .....	1	0	0				

## American Lilies

	Price per 100				Price per 100		
	£	s.	d.		£	s.	d.
Lilium Bloomerianum .....	7	10	0	Lilium parviflorum .....	3	0	0
Lilium Bolanderii .....	7	10	0	Lilium parryii .....	7	0	0
Lilium Canadense .....	1	15	0	Lilium parvum, very large .....	6	0	0
Lilium Carolinianum .....	0	12	0	Lilium parvum luteum .....	4	0	0
Lilium Columbianum .....	2	0	0	Lilium Philadelphicum .....	1	15	0
Lilium flavum .....	2	0	0	Lilium Roezlii .....	6	0	0
Lilium Grayii .....	2	0	0	Lilium rubescens .....	7	0	0
Lilium Humboldtii magnificum .....	12	0	0	Lilium rubrum .....	2	0	0
Lilium Humboldtii Type .....	4	10	0	Lilium superbum .....	0	18	0
Lilium Kelloggii .....	7	0	0	Lilium Washingtonianum .....	3	10	0
Lilium Maritimum .....	8	0	0	Lilium Washingtonianum, pur- pureum .....	5	0	0
Lilium Pardalinum .....	1	0	0				



The above illustration shows the transportation of orchids from their native homes. After risking their lives in collecting same, the collectors have to cut down trees, saw out boards by hand, make boxes into which the plants are packed; and then, transported on the backs of men or animals sometimes hundreds of miles before reaching the coast where they are shipped to New York, reaching South Orange, from where they are reshipped all over the country either in their dormant condition or after they have been established.



# Plants from Neighboring Countries

We now list a good many Mexican Plants, especially such as Cacti and other plants for which we have better facilities for collecting and shipping this stock than any other firm.

Same may apply to a good many plants from Japan and the Philippine Islands, as we have in both countries good facilities for the supplying of the best stock obtainable.

## Collection of Cacti (Collected)

	Price per 100		Price per 100
Anathalonium fissuratum .....	£7 0s.	Echinocactus Rodopthalmus .....	£7 0s.
Anathalonium Lewisii .....	4 0	Echinocactus setispinus .....	4 0
Anathalonium prismaticum .....	7 0	Echinocactus tetroxyphus .....	8 0
Anathalonium sulcatum .....	7 0	Echinocactus setispinus, clumps ...	10 0
Anathalonium Williamsii .....	3 0	Echinocactus Texensis .....	4 0
Astrophytum Eyriostigma .....	9 0	Echinocactus Texensis, Extra Large.	10 0
Cereus Columbrinus .....	6 0	Echinocactus uncinata .....	7 0
Cereus geometrizzans .....	7 0	Echinocactus visnaga ingens .....	10 0
Cereus gemmatus .....	6 0	Mamillaria bicolor .....	5 0
Cereus grandiflorus .....	7 0	Mamillaria Boccasana .....	5 0
Cereus flagiliformis .....	5 0	Mamillaria candida .....	5 0
Cereus marginatus .....	7 0	Mamillaria Caput Medusae .....	7 0
Cereus Nickelsii .....	10 0	Mamillaria centricira maerantha ...	6 0
Cereus Thurberii .....	10 0	Mamillaria concidea .....	5 0
Cereus triangularis .....	7 0	Mamillaria decepiens .....	5 0
Cereus variabilis .....	5 0	Mamillaria dolichocentra .....	5 0
Echinocereus candicans .....	5 0	Mamillaria echinus .....	5 0
Echinocereus caespitosus .....	3 0	Mamillaria elegans .....	7 0
Echinocereus Phonicus conoidea ...	6 0	Mamillaria Nuttallii .....	8 0
Echinocereus pectinatus .....	7 0	Mamillaria potosina .....	7 0
Echinocereus enneacantha .....	7 0	Mamillaria formosus .....	9 0
Echinocereus procumbens .....	5 0	Mamillaria pectinata .....	4 0
Echinocereus rigidissima .....	5 0	Mamillaria Rodantha Brunea .....	6 0
Echinocereus Raenierii .....	7 0	Mamillaria spinesissima .....	5 0
Echinocereus stramineus .....	5 0	Mamillaria uncinata .....	5 0
Echinocactus bicolor .....	7 0	Mamillaria Wissmannii .....	9 0
Echinocactus coptegonus .....	6 0	Mamillaria Wrightii .....	6 0
Echinocactus cornigerus .....	7 0	Pelecephera assellifermis .....	9 0
Echinocactus cornigerus flavispinus.	9 0	Pelecephera pectinata .....	8 0
Echinocactus crispatus .....	5 0	Pilocereus Houlettii, cut .....	12 0
Echinocactus electrocanthus .....	7 5	Opuntia arborescens .....	2 10
Echinocactus Helephorus .....	10 0	Opuntia frutescens, Red Fruit .....	2 0
Echinocactus hexaedrophorus .....	10 0	Opuntia frutescens, Yellow Fruit ...	3 0
Echinocactus horizontalonius .....	8 0	Opuntia cristata .....	5 0
Echinocactus longehamatus .....	8 0	Opuntia cristalina .....	2 0
Echinocactus multicostatus .....	5 0	Opuntia microdasys .....	5 0
Echinocactus pilosus .....	10 0	Opuntia nigricans (tuna) .....	2 10
Echinocactus Pfeifferii .....	10 0	Opuntia tuna .....	2 10
Echinocactus Poselgerianus .....	7 0		



Specimen Blue Spruce (*Picea pungens glauca*)



## American Native Seeds

## AMERICAN AND OTHER EVERGREEN CONIFER SEEDS

	Price Per lb.			Price Per oz.		
	£	s.	d.	£	s.	d.
Abies (Picea) amabilis, California Fir .....	1	0	0	0	2	0
Abies (Picea) Arizonica, Arizona Cork Fir.....	2	10	0	0	5	0
Abies (Picea) balsamea, Balsam Fir .....	0	7	6	0	0	9
Abies (Picea) brachyphylla .....	0	17	6	0	1	6
Abies (Picea) Breweriana .....	4	10	0	0	10	0
Abies (Picea) Bracteata .....	2	10	0	0	5	0
Abies (Picea) concolor, California Silver Fir .....	0	11	3	0	1	3
Abies (Picea) concolor, Colorado Silver Fir .....	0	10	0	0	1	3
Abies (Picea) firma, Japanese .....	0	12	6	0	1	3
Abies (Picea) Fraseri, Double Balsam .....	0	17	6	0	1	9
Abies (Picea) grandis, Pacific Coast Fir .....	0	16	3	0	1	9
Abies (Picea) magnifica, Pacific Coast Fir .....	0	17	6	0	1	9
Abies (Picea) Mariesii, Japan Silver Fir .....	1	2	6	0	2	6
Abies (Picea) nobilis, Pacific Coast Fir .....	0	17	6	0	1	9
Abies (Picea) Nordimanniana, Nordman Fir .....	0	7	6	0	0	9
Abies (Picea) pectinata, European Silver Fir .....	0	6	3	0	0	9
Abies (Picea) sachalinensis, Sachalien Fir .....	1	5	0	0	2	6
Abies (Picea) sub-alpina .....	1	2	6	0	2	6
Abies (Picea) Umbellata .....	1	0	0	0	2	0
Abies (Picea) Veitchii .....	1	0	0	0	2	0
Cedrus Atlantica, Mt. Atlas Cedar .....	0	11	3	0	1	3
Cedrus Deodora, Deodor Cedar .....	0	11	3	0	1	3
Cedrus Libani, Cedar Lebanon .....	0	11	3	0	1	3
Cephalotaxus Fortunei .....	0	10	0	0	1	3
Cryptomeria Japonica, Japanese Cedar .....	0	7	6	0	1	0
Cupressus Arizonica .....	1	2	6	0	2	6
Cupressus Goveniana .....	0	15	0	0	1	6
Cupressus Guadalupensis .....	1	0	0	0	2	0
Cupressus Benthamiana .....	0	14	0	0	1	6
Cupressus Knightiana .....	0	15	0	0	1	6
Cupressus Lawsoniana, Lawson's Cypress .....	0	15	0	0	1	6
Cupressus Lindleyi .....	0	16	3	0	1	9
Cupressus macrocarpa, Monterey Cypress .....	0	6	3	0	1	0
Cupressus McNabiana .....	0	15	0	0	1	6
Cupressus Nutkaensis .....	3	0	0	0	6	3
Cupressus sempervirens .....	0	7	6	0	0	9
Cupressus thurifera .....	0	16	3	0	1	9
Cupressus thuyoides, White Cedar .....	0	19	0	0	1	6
Juniperus Chinesis, Chinese Juniper .....	0	7	6	0	0	9
Juniperus Californica .....	0	15	0	0	0	9
Juniperus monosperma .....	0	6	3	0	0	9
Juniperus occidentalis, Western .....	0	10	0	0	1	0
Juniperus pachyphlaea .....	0	6	3	0	0	9
Juniperus prostrata .....	0	5	0	0	0	6
Juniperus Pinchoti .....	0	12	6	0	1	3
Juniperus rigida, Japan Cedar .....	0	17	6	0	1	9
Juniperus sabinoides .....	0	11	3	0	1	3
Juniperus scopulorum .....	0	7	6	0	0	9
Juniperus Suecica, Swedish Juniper .....	0	7	6	0	0	9
Juniperus Virginiana, Red Cedar .....	0	4	0	0	0	6
Kalmia latifolia, Mountain Laurel .....	1	5	0	0	2	6
Libocedrus decurrens .....	0	15	0	0	1	6
Picea (Abies) alba, White Spruce .....	0	16	3	0	1	9
Picea (Abies) Alcockuiana, Japanese Spruce .....	1	2	6	0	2	3
Picea (Abies) ajanensis .....	1	2	6	0	2	3
Picea (Abies) bicolor, from Japan .....	1	2	6	0	2	6
Picea (Abies) Engelmanni .....	1	1	3	0	2	3
Picea (Abies) Glehnii, from Japan .....	1	10	0	0	3	0
Picea (Abies) Hookeriana .....	2	0	0	0	4	0
Picea (Abies) nigra, Black Spruce .....	1	0	0	0	2	0
Picea (Abies) Orientalis, Oriental Spruce .....	0	17	6	0	1	9
Picea (Abies) pungens, Colorado Blue Spruce .....	1	0	0	0	2	0
Picea (Abies) polita .....	1	0	0	0	2	0
Picea (Abies) rubra, Red Spruce .....	0	17	6	0	1	9
Picea (Abies) Sitchensis (Menziesii) .....	0	17	6	0	1	9
Pinus aristata, Colorado Foxtail Pine .....	1	0	0	0	1	9
Pinus Banksiana, Jack Pine .....	1	5	0	0	2	6
Pinus Canariensis, Canary Island Pine .....	0	12	6	0	1	3
Pinus Cembra, Swiss Pine .....	0	5	0	0	0	6
Pinus cembroides, Mexican Stone Pine .....	1	1	3	0	2	6
Pinus contorta .....	1	7	6	0	2	6



**Native Filipinos Collecting Phalaenopsis.**

We can furnish all the Orchids indigenous to these islands, such as *Vanda Sanderiana* *Phalaenopsis*, *Amabilis* *P. Schilleriana* *P. Sanderiana*, etc.



## American Native Seeds—Continued

	Price Per lb.			Price Per oz.		
	£	s.	d.	£	s.	d.
Pinus Coulteri, Big Cone Pine .....	0	15	0	0	1	6
Pinus densiflora, Japanese Pine .....	0	10	0	0	1	0
Pinus edulis, Pinyon Pine .....	0	7	6	0	0	9
Pinus excelsa, Himalayan Pine .....	0	12	6	0	1	9
Pinus Flexilis, Colorado Pine .....	0	15	0	0	1	6
Pinus insignis, Monterey Pine .....	0	12	6	0	1	3
Pinus Jeffreyi .....	0	15	0	0	1	6
Pinus Koraiensis .....	0	12	6	0	1	3
Pinus Lambertiana, Sugar Pine .....	0	10	0	0	1	0
Pinus Laricio .....	1	1	3	0	1	3
Pinus Massoniana .....	0	10	0	0	1	0
Pinus mitis .....	1	0	0	0	2	0
Pinus monophylla, Single Leaf Pine .....	0	12	6	0	1	3
Pinus monticola, Pacific Coast White Pine .....	1	2	6	0	2	2
Pinus Mughus, Dwarf Mountain Pine .....	0	12	6	0	1	3
Pinus muricata .....	1	2	6	0	2	6
Pinus Murryana, Lodgepole Pine .....	1	10	0	0	2	6
Pinus Nelsoni .....	1	2	6	0	2	6
Pinus palustris, Yellow Broom Pine .....	0	15	0	0	1	6
Pinus Parryana, Mexican Pinyon .....	1	0	0	0	2	0
Pinus pentaphylla from Japan .....	1	0	0	0	2	0
Pinus Pinea .....	0	5	0	0	0	6
Pinus ponderosa, Heavy Wooded Pine .....	0	11	3	0	1	3
Pinus ponderosa (from Colorado) (scopulcrum) .....	0	12	6	0	1	3
Pinus pumila, from Japan .....	1	0	0	0	2	0
Pinus resinosa, Red Norway Pine .....	1	17	6	0	4	0
Pinus rigida, Pitch Pine .....	0	14	0	0	1	3
Pinus Sabiniana, Pine .....	0	7	6	0	0	9
Pinus Strobus, White Pine .....	0	10	0	0	1	0
Pinus taeda, Loblolly Pine .....	1	1	3	0	2	0
Pinus Thunbergii .....	0	12	6	0	1	6
Pinus Torreyana .....	0	15	0	0	1	6
Pinus Tuberculata .....	1	2	6	0	2	3
Podocarpus Chinensis .....	0	12	6	0	1	3
Pseudotsuga Douglasii, Douglas Spruce .....	0	15	0	0	1	6
Pseudotsuga Douglasii, Douglas Spruce (Colorado) .....	0	17	6	0	1	9
Pseudotsuga Douglasii macrocarpa .....	1	2	6	0	2	3
Retinospora obtusa .....	0	12	6	0	1	3
Retinospora pisifera .....	0	12	6	0	1	3
Sciadopitys verticillata, Umbrella Pine .....	0	17	6	0	1	9
Sequoia gigantea, California Big Tree .....	1	15	0	0	3	6
Taxus baccata, English Yew .....	0	7	6	0	0	9
Taxus brevifolia, California Yew .....	0	0	0	0	5	0
Taxus cuspidata .....	0	17	6	0	1	9
Thuja gigantea, Western Arbor-vitae .....	0	17	6	0	1	9
Thuja occidentalis, American .....	0	11	3	0	1	3
Thuja orientalis, Chinese .....	0	4	0	0	0	6
Thuja orientalis aurea, Chinese Golden .....	0	6	3	0	0	9
Thujopsis Dolabrata (From Japan) .....	1	10	0	0	3	0
Thujopsis Standishi (From Japan) .....	1	15	0	0	4	0
Torreya Californica .....	0	7	6	0	0	9
Torreya nucifera (From Japan) .....	0	7	6	0	0	9
Tsuga (Abies) Canadensis, Hemlock Spruce .....	1	0	0	0	2	0
Tsuga Diversifolia (From Japan) .....	1	2	6	0	2	3
Tsuga heterophylla .....	1	15	0	0	3	6
Tsuga Mertensiana, Western .....	1	15	0	0	3	6
Tsuga Pattoniana .....	1	15	0	0	4	0
Tsuga Sieboldi, Japanese .....	1	2	6	0	2	3

## Fruit Seeds

	Price Per lb.			Price Per oz.		
	£	s.	d.	£	s.	d.
Chestnut, American .....	0	1	6	0	0	0
Grape, Vitis aestivalis .....	0	5	0	0	0	6
Grape Vitis coignetiae, Japanese Wild Grape .....	1	0	0	0	2	0
Grape, Vitis cordifolia .....	0	5	0	0	0	6
Grape, Vitis labrusca .....	0	5	0	0	0	6
Grape, Vitis riparia .....	0	5	0	0	0	6
Grape, Vitis rotundifolia .....	0	10	0	0	1	0
Hazel Nut, American .....	0	4	0	0	0	0
Peach Pits, Natural.....per bushel £0 14s. 0d.	0	0	9	0	0	0
Pecan Nut .....	2	0	0	0	1	6
Shellbark, Hickory .....	1	7	6	0	1	0
Walnut, Black .....	0	12	6	0	0	9
Walnut, Butternut .....	0	12	6	0	0	9
Walnut, California .....	0	2	6	0	0	0
Walnut, Japan .....	0	2	6	0	0	0



Few Medals Won in Many Countries



## Seeds of Deciduous Trees and Shrubs

	Price Per lb. £ s. d.			Price Per oz. £ s. d.		
Acer campestre, English Maple .....	0	4	0	0	0	6
Acer circinatum, English Maple .....	0	12	6	0	1	3
Acer dasycarpum, Silver, English Maple .....	0	5	0	0	0	9
Acer Ginnala, English Maple .....	0	10	0	0	1	3
Acer glabrum, English Maple .....	0	7	6	0	0	9
Acer macrophyllum, Oregon, English Maple .....	0	5	0	0	0	9
Acer platanoides, Norway, English Maple .....	0	2	6	0	0	6
Acer pseudo-platanus, Sycamore, English Maple .....	0	4	0	0	0	6
Acer rubrum, red, English Maple .....	0	10	0	0	1	0
Acer saccharinum, Sugar, English Maple .....	0	5	0	0	0	6
Acer spicatum, Mountain, English Maple .....	0	7	6	0	0	9
Acer striatum Striped .....	0	7	6	0	0	9
Ailanthus glandulosa, Tree of Heaven .....	0	2	6	0	0	6
Albizzia Julibrissin, Mimosa or Paradise Tree .....	0	7	6	0	0	9
Alnus glutinosa, Alder .....	0	4	0	0	0	6
Alnus Oregona .....	1	10	0	0	4	0
Alnus serrulata, Swamp Alder .....	0	4	0	0	0	6
Amelanchier Botryapium .....	0	7	6	0	0	9
Amelanchier alnifolia .....	0	15	0	0	1	6
Amorpha canescens .....	0	5	0	0	0	6
Amorpha fruticosa, Indigo Shrub .....	0	5	0	0	0	6
Andromeda axillaris .....	0	0	0	0	3	0
Andromeda calyculata .....	0	0	0	0	3	0
Andromeda ligustrina .....	0	0	0	0	3	0
Andromeda Mariana .....	0	0	0	0	3	0
Andromeda nitida .....	0	0	0	0	2	6
Andromeda racemosa .....	0	0	0	0	5	0
Andromeda speciosa .....	0	0	0	0	5	0
Asimina triloba, Papaw .....	0	4	0	0	0	6
Azalea arborescens .....	0	0	0	0	4	0
Azalea calendulacea .....	0	0	0	0	4	0
Azalea mollis .....	0	0	0	0	4	0
Azalea nudiflora .....	0	0	0	0	4	0
Azalea viscosa .....	0	0	0	0	4	0
Baccharis halimifolia, Groundsel Shrub .....	0	0	0	0	5	0
Berberis Fremonti, Silver-Leaved Barberry .....	1	5	0	0	2	6
Berberis nervosa .....	1	1	3	0	2	0
Berberis Thunbergii, Japanese Barberry .....	0	6	3	0	0	9
Berberis vulgaris, Common Barberry .....	0	5	0	0	0	9
Berberis vulgaris, purpurea, Purple Barberry .....	0	7	6	0	0	9
Betula alba, European White Birch .....	0	5	0	0	0	9
Betula excelsa, Yellow .....	0	10	0	0	1	0
Betula lenta, Sweet .....	0	7	6	0	0	9
Betula papyracea, Paper .....	0	9	0	0	1	0
Betula populifolia, Poplar .....	0	5	0	0	0	9
Betula rubra, Red .....	0	7	6	0	0	9
Callicarpa Americana .....	0	4	9	0	0	6
Callicarpa purpurea .....	0	10	0	0	1	0
Calycanthus floridus laevigatus, Sweet Shrub .....	0	5	0	0	0	9
Calycanthus occidentalis, Western .....	0	12	6	0	1	3
Caragana arborescens, Siberian Pea .....	0	6	3	0	0	9
Carpinus Americanus, Hornbeam .....	0	4	0	0	0	6
Carpinus Betulus, European Hornbeam .....	0	5	0	0	0	9
Carya alba, Shellbark Hickory .....per bushel £1 5s. 0d.	0	0	9	0	0	0
Carya amara, Bitter Nut Hickory .....per bushel 1 0 0	0	0	9	0	0	0
Carya olivaeformis, Pecan-nut .....per bushel 2 0 0	0	2	0	0	0	0
Carya porcina, Pig-nut .....per bushel 1 0 0	0	0	9	0	0	0
Carya sulcata, Western Shellbark .....per bushel 1 0 0	0	0	9	0	0	0
Carya tomentosa, White .....	0	17	6	0	0	9
Catalpa bignonioides, Eastern Catalpa .....	0	7	6	0	0	9
Catalpa speciosa, Western Catalpa. This is the true forest tree, speciosa, guaranteed true to name .....	0	11	3	0	1	0
Ceanothus Americanus (clean) .....	0	11	3	0	1	0
Ceanothus divaricatus .....	0	0	0	0	5	0
Ceanothus integerrimus .....	1	2	6	0	2	3
Ceanothus thyrsiflorus .....	2	2	6	0	2	6
Celtis occidentalis, Nettle Tree .....	0	4	0	0	0	6
Cephalanthus occidentalis .....	0	4	0	0	0	6
Cercis Canadensis, Judas Tree .....	0	5	0	0	0	6



2 Kentias, 6 Palms in 6 var., 2 Cycads, All Three Lots Received First Prize at the Great Royal International Horticultural Exhibition, London, England, 1912.



## Seeds of Deciduous Trees and Shrubs—Continued

	Price Per lb.			Price Per oz.		
	£	s.	d.	£	s.	d.
Cercis Occidentalis, Western Judas .....	0	15	0	0	1	6
Cercocarpus parvifolius .....	0	0	0	0	4	0
Chilopsis linaeris .....	0	10	0	0	1	0
Chionanthus Virginica, White Fringe .....	0	6	3	0	0	9
Citrus trifoliata, Hardy Orange .....	0	10	0	0	1	0
Cladrastis tinctoria, Virgilia .....	0	17	6	0	1	9
Clethra alnifolia, Sweet Pepper Bush .....	0	5	0	0	0	6
Colutea arborescens .....	0	5	0	0	0	9
Cornus alternifolia, Blue-berried Dogwood .....	0	4	0	0	0	6
Cornus florida, Large White Dogwood .....	0	2	6	0	0	6
Cornus Mas, Cornelian Cherry .....	0	4	0	0	0	6
Cornus Nuttallii, Pacific Coast Dogwood .....	0	7	6	0	0	9
Cornus paniculata .....	0	7	6	0	0	9
Cornus sericea, Silky Dogwood .....	0	5	0	0	0	6
Cornus stolonifera .....	0	5	0	0	0	6
Corylus Americana, Hazel Nut .....	0	4	0	0	0	6
Crataegus coccinea, White Thorn, berries .....	0	4	0	0	0	6
Crataegus cordata, Washington Thorn, berries .....	0	5	0	0	0	6
Crataegus crus-galli, Cockspur Thorn, berries .....	0	4	0	0	0	6
Crataegus oxyacantha, English Thorn, berries .....	0	4	0	0	0	6
Cyrilla racemiflora .....	0	5	0	0	0	6
Diospyros Kaki, Japan Persimmon .....	0	7	6	0	0	9
Diospyros Virginiana, Persimmon .....	0	4	0	0	0	6
Eleagnus longipes .....	0	5	0	0	0	6
Euonymus Americanus, Burning Bush .....	0	6	3	0	0	9
Euonymus atropurpureus, Burning Bush .....	0	6	3	0	0	9
Exochorda grandiflora, Pearl Bush .....	0	12	6	0	1	3
Fagus ferruginea, American Beech .....	0	5	0	0	0	6
Fagus sylvatica, European Beech .....	0	6	3	0	0	9
Fagus sylvatica purpurea, Blood-leaved .....	0	14	0	0	1	6
Fraxinus Americana, White Ash .....	0	5	0	0	0	6
Fraxinus excelsior, European White Ash .....	0	4	0	0	0	6
Fraxinus Oregona, Ash .....	0	10	0	0	1	0
Fraxinus ornus, Flowering Ash .....	0	4	0	0	0	9
Fraxinus pubescens, Red Ash .....	0	4	0	0	0	6
Fraxinus quadrangulata, Blue Ash .....	0	7	6	0	0	9
Fraxinus sambucifolia, Black Ash .....	0	7	6	0	0	9
Fraxinus viridis, Green Ash .....	0	4	0	0	0	6
Fremontia Californica .....	0	0	0	0	5	0
Garrya elliptica .....	1	17	6	0	4	0
Gleditsia triacanthos, Honey Locust .....	0	2	6	0	0	6
Gordonia lascanthus .....	0	7	6	0	0	9
Gymnocladus, Canadensis, Kentucky Coffee .....	0	3	0	0	0	6
Halesia diptera, Snowdrop Tree .....	0	7	6	0	0	9
Halesia tetraptera, Snowdrop Tree .....	0	5	0	0	0	6
Hamamelis Virginica, Witch Hazel .....	0	6	3	0	0	9
Hibiscus Syriacus Althaea .....	0	6	3	0	0	9
Hippophaea rhamnoides, Sea Buckthorn .....	0	7	6	0	0	9
Hydrangea arborescens .....	0	7	6	0	0	9
Itea Virginica .....	0	12	6	0	1	0
Juglans cinerea, Butternut .....per bushel	£0	12s.	6d.	0	0	9
Juglans Californica .....	0	2	6	0	0	0
Juglans cordiformia, Japan Walnut .....	0	2	6	0	0	0
Juglans nigra, Black Walnut .....per bushel	£0	12s.	6d.	0	0	9
Juglans regia, English Walnut .....per bushel	1	5	0	0	1	6
Juglans rupestris, Arizona Walnut .....per bushel	2	10	0	0	2	6
Juglans Sieboldii (From Japan) .....	0	2	6	0	0	0
Koeleruteria paniculata, Varnish Tree .....	0	7	6	0	0	9
Lagerstroemia Indica .....	0	0	0	0	3	0
Larix Americana, American Larch, Price on application.						
Larix leptolepis, Japanese Larch .....	0	17	6	0	1	9
Larix occidentalis, Western Larch .....	4	10	0	0	10	0
Laburnum vulgare .....	0	6	3	0	0	9
Lindera Benzoin, Spice Bush .....	0	4	0	0	0	9
Ligustrum Iboia .....	0	4	0	0	0	6
Liquidambar styraciflua, Sweet Gum .....	0	12	6	0	1	3
Liriodendron tulipifera, Tulip Tree .....	0	5	0	0	0	9
Maclura aurantiaca, Osage Orange .....	0	4	0	0	0	6
Magnolia acuminata .....	0	7	6	0	0	9
Magnolia Fraseri .....	0	0	0	0	2	6
Magnolia hypoleuca .....	0	12	6	0	1	3
Magnolia Kobus (From Japan) .....	0	12	6	0	1	3
Magnolia macrophylla .....	0	11	3	0	1	0
Magnolia tripetala .....	0	10	0	0	1	0
Melia umbraculiformis, China Tree .....	0	5	0	0	0	6
Morus alba, White Mulberry .....	0	7	6	0	0	9



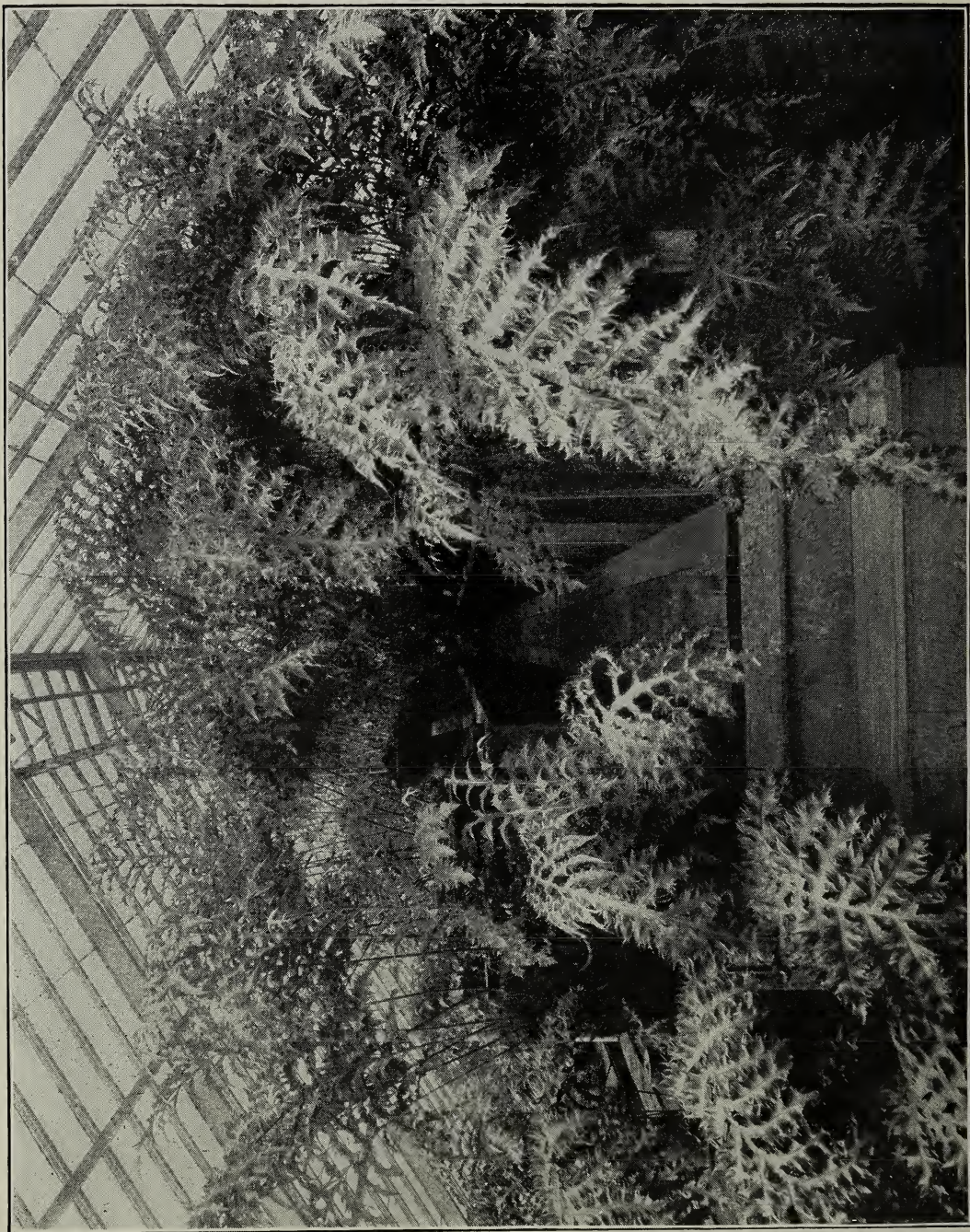
1. Basket, *Polypodium Mandaianum*; 2. Block  
(See Page 3)



## Seeds of Deciduous Trees and Shrubs—Continued

	Price			Price		
	Per lb.			Per oz.		
	£	s.	d.	£	s.	d.
Morus rubra .....	0	0	0	0	2	6
Morus tartarica, Russian .....	0	12	6	0	1	3
Negundo aceroides, Ash-leaved Maple (Western) .....	0	5	0	0	0	6
Nyssa aquatica, Sour Gum .....	0	6	3	0	0	9
Nyssa multiflora, Sour Gum .....	0	4	0	0	0	6
Nyssa uniflora, Tupelo, Sour Gum .....	0	5	0	0	0	6
Ostrya Virginica, Iron Wood .....	0	6	3	0	0	6
Oxydendrum arboreum (Andromeda) .....	0	15	0	0	1	6
Paulownia imperialis, Empress Tree .....	0	7	6	0	1	3
Phellodendron Amurense .....	0	4	0	0	0	6
Platanus occidentalis, American Plane .....	0	4	0	0	0	9
Platanus orientalis, Oriental .....	0	4	0	0	0	9
Platanus Wrightii .....	0	6	3	0	0	6
Populus Wislizeni .....	0	6	3	0	0	9
Prinos verticillatus, Deciduous Holly .....	0	5	0	0	0	6
Prosopis juliflora, pods, Mesquite Bean .....	0	6	3	0	0	9
Prosopis pubescens, pods, Tornio Bean .....	0	6	3	0	0	9
Prunus Americana, Wild Plum .....	0	4	0	0	0	6
Prunus maritima, Beach Plum .....	0	7	6	0	0	9
Prunus Pennsylvanica .....	0	4	0	0	0	6
Prunus serotina, Wild Cherry .....	0	2	6	0	0	6
Prunus Virginiana .....	0	2	6	0	0	6
Ptelia trifoliata, Hop Tree .....	0	5	0	0	0	9
Pyrus Americana, American Mountain Ash .....	0	7	6	0	0	9
Pyrus aucuparia, European .....	0	5	0	0	0	9
Pyrus arbutifolia .....	0	5	0	0	0	6
Pyrus coronaria .....	0	2	6	0	0	6
Pyrus rivularis, Oregon Crab .....	0	15	0	0	1	6
Quercus alba, White Oak.....per bushel £1 2s. 6d.	0	0	1	0	0	0
Quercus agrifolia .....	0	5	0	0	0	0
Quercus aquatica .....	0	2	0	0	0	0
Quercus bicolor, Meadow White Oak ...per bushel 1 2 6	0	1	0	0	0	0
Quercus Cataesbaei .....	0	2	0	0	0	0
Quercus Cerris, Turkey White Oak .....	0	2	6	0	0	0
Quercus chrysolepis .....	0	5	0	0	0	0
Quercus cinerea, Upland Willow Oak ..per bushel £1 12s. 6d.	0	2	0	0	0	0
Quercus coccinea, Scarlet Oak .....	0	1	0	0	0	0
Quercus falcata, Spanish Oak .....	0	1	0	0	0	0
Quercus Garryana .....	0	5	0	0	0	0
Quercus ilicifolia, Scrub Oak .....	0	1	3	0	0	0
Quercus imbricaria, Laurel Oak .....	0	1	3	0	0	0
Quercus laurifolia, Southern Laurel Oak per bushel 1 15 0	0	1	9	0	0	0
Quercus lyrata .....	0	1	3	0	0	0
Quercus Michauxii .....	0	1	9	0	0	0
Quercus macrocarpa, Burr Oak .....	0	1	3	0	0	0
Quercus nigra, Black Jack Oak .....	0	1	9	0	0	0
Quercus obtusiloba, Post Oak .....	0	1	9	0	0	0
Quercus palustris, Pin Oak .....	0	1	9	0	0	0
Quercus Phellos, Willow .....	0	2	0	0	0	0
Quercus Prinus, Chestnut .....	0	1	3	0	0	0
Quercus Robur, English .....	0	2	6	0	0	0
Quercus rubra, Red .....	0	1	0	0	0	0
Quercus Texana .....	0	2	6	0	0	0
Quercus tinctoria, Black .....	0	1	3	0	0	0
Quercus Wislizeni .....	0	5	0	0	0	0
Rhamnus Californica .....	0	10	0	0	1	0
Rhamnus frangula, Buckthorn .....	0	5	0	0	0	6
Rhamnus Purschiana, Buckthorn .....	0	15	0	0	1	6
Rhus aromatica .....	0	4	0	0	0	6
Rhus copallina, Shining Sumach .....	0	4	0	0	0	6
Rhus cotinus, Mist Bush .....	0	9	0	0	1	0
Rhus glabra, Smooth Sumach .....	0	4	0	0	0	6
Rhus laurina .....	0	10	0	0	1	0
Rhus typhina, Stag's Horn Sumach .....	0	4	0	0	0	6
Ribes bracteosa .....	1	15	0	0	4	0
Ribes cereum .....	1	0	0	0	2	6
Ribes lacustre .....	1	0	0	0	2	6
Ribes sanguineum, Flowering Currant .....	0	17	6	0	1	9
Robinia hispida .....	0	0	0	0	4	0
Robinia pseudo-acacia, Yellow or Black Locust .....	0	3	0	0	0	6
Romneya Coulteri .....	0	0	0	0	5	0





End of a Greenhouse with Polypodium Plants.



## Seeds of Deciduous Trees and Shrubs—Continued

	Price Per lb.			Price Per oz.		
	£	s.	d.	£	s.	d.
Rosa blanda .....	0	6	0	0	0	6
Rosa lucida .....	0	10	0	0	1	0
Rosa Carolina .....	0	5	0	0	0	6
Rosa gymnocarpa .....	1	0	0	0	2	0
Rosa rugosa .....	0	5	0	0	0	6
Rosa setigera, Berries, Wild Prairie Rose .....	0	5	0	0	0	6
Rubus leucodermis .....	1	0	0	0	2	6
Rubus nutkanus .....	1	10	0	0	4	0
Rubus spectabilis .....	1	10	0	0	4	0
Rubus vitifolius .....	1	0	0	0	2	6
Salisburia adiantifolia, Ginkgo .....	0	5	0	0	0	9
Sambucus Canadensis, Elder .....	0	4	0	0	0	6
Sambucus glauca .....	0	12	6	0	1	3
Sambucus racemosus .....	0	15	0	0	1	6
Sapindus marginatus, Soap-berry .....	0	7	6	0	0	9
Sassafras officinale .....	0	5	0	0	0	6
Sophora Japonica, Pagoda Tree .....	0	6	3	0	0	9
Spiraea opulifolia .....	0	15	0	0	1	6
Spiraea tomentosa .....	0	15	0	0	1	6
Staphylea trifolia, Bladder-nut .....	0	6	3	0	1	0
Sterculia platanifolia .....	0	12	6	0	1	3
Stuartia pentagyna .....	0	10	0	0	1	0
Styrax Japonica .....	0	7	6	0	0	9
Styrax Obassia .....	0	15	0	0	1	6
Syringa villosa, Chinese Lilac .....	0	7	6	0	0	9
Syringa vulgaris, Common Lilac .....	0	6	3	0	0	9
Taxodium distichum, Deciduous Cypress .....	0	5	0	0	0	6
Tilia Americana, American Linden .....	0	4	0	0	0	6
Tilia Europaea, European .....	0	5	0	0	0	9
Ulmus Americana, American Elm .....	0	5	0	0	0	6
Ulmus campestre, European .....	0	6	3	0	0	9
Ulmus fulva, Slippery .....	0	11	3	0	1	3
Ulmus montana, Scotch .....	0	6	3	0	0	9
Vaccinium arboreum, Bush Huckleberry .....	0	7	6	0	0	9
Vaccinium corymbosum, Bush Huckleberry .....	0	15	0	0	1	6
Vaccinium macrocarpum, Cranberry, clean seed .....	0	0	0	0	12	6
Vaccinium ovatum .....	0	15	0	0	1	6
Vaccinium Pennsylvanicum, Huckleberry .....	0	7	6	0	0	9
Viburnum acerifolium .....	0	5	0	0	0	6
Viburnum dentatum .....	0	5	0	0	0	6
Viburnum lantana .....	0	6	3	0	0	9
Viburnum Lentago .....	0	6	3	0	0	9
Viburnum nudum .....	0	6	3	0	0	9
Viburnum oxycoccos .....	0	5	0	0	0	9
Viburnum prunifolium .....	0	5	0	0	0	6
Zanthoxylon fraxinaefolium, Prickly Ash .....	0	7	6	0	1	0

## Seeds of Broad-Leaf Evergreen Trees and Shrubs

	Price Per lb.			Price Per oz.		
	£	s.	d.	£	s.	d.
Andromeda Cataesbaei .....	0	0	0	0	2	6
Andromeda floribunda .....	0	0	0	0	2	6
Andromeda ligustrina .....	0	0	0	0	3	0
Andromeda Mariana .....	0	0	0	0	3	0
Andromeda nitida .....	0	0	0	0	2	6
Andromeda racemosa .....	0	0	0	0	5	0
Andromeda speciosa .....	0	0	0	0	5	0
Arbutus Menziesii .....	0	10	0	0	1	0
Arctostaphylos glauca .....	0	7	6	0	0	9
Buxus sempervirens, Box .....	0	7	6	0	0	9
Carpenteria Californica .....	0	0	0	0	0	9
Gaultheria procumbens, Wintergreen .....	0	7	6	0	0	9
Gaultheria Shallon .....	0	17	6	0	1	9
Gaylussacia resinosa, Huckleberry .....	0	6	3	0	0	9
Kalmia angustifolia, Sheep Laurel .....	1	5	0	0	2	6
Kalmia latifolia, Laurel .....	1	5	0	0	2	6
Magnolia grandiflora, Evergreen Magnolia .....	0	6	3	0	0	9
Magnolia glauca, Sweet Bay .....	0	6	3	0	0	9
Myrica Californica, Wax Myrtle .....	0	12	6	0	1	3



One of the Greenhouse Ranges at South Orange, N. J.



## Seeds of Broad-Leaf Evergreen Trees and Shrubs—Continued

	Price Per lb. £ s. d.	Price Per oz. £ s. d.
<i>Myrica cerifera</i> .....	0 6 3	0 0 9
<i>Nuttallia cerasiformis</i> .....	0 15 0	0 1 6
<i>Oreodaphne Californica</i> , Cal. Nutmeg .....	0 5 0	0 0 9
<i>Persea Caroliniana</i> .....	0 16 3	0 1 6
<i>Photinia arbutifolia</i> .....	0 5 0	0 0 9
<i>Prinos glaber</i> , Ink Berry .....	0 5 0	0 0 6
<i>Prunus</i> ( <i>Cerasus</i> ) <i>Caroliniana</i> .....	0 4 0	0 0 6
<i>Rhododendron Catawbiense</i> , Mountain Laurel .....	1 0 0	0 3 0
<i>Rhododendron maximum</i> .....	0 15 0	0 2 6
<i>Schinus molle</i> .....	0 5 0	0 0 6
<i>Vaccinium stamineum</i> .....	0 6 3	0 0 9

## Seeds of Vines and Climbers

	Price Per lb. £ s. d.	Price Per oz. £ s. d.
<i>Akebia quinata</i> .....	0 15 0	0 1 6
<i>Ampelopsis heterophylla</i> variegata, Variegated Grape .....	0 0 0	0 2 6
<i>Anipelopsis Veitchii</i> , Japan Creeper .....	0 5 0	0 0 6
<i>Ampelopsis Virginica</i> , Virginia .....	0 5 0	0 0 6
<i>Celastrus scandens</i> , Staff Vine .....	0 4 0	0 0 6
<i>Clematis coccinea</i> , Scarlet Clematis .....	0 0 0	0 6 3
<i>Clematis flammula</i> , Sweet Clematis .....	0 7 6	0 1 3
<i>Clematis paniculata</i> , Japanese Clematis .....	0 15 0	0 1 6
<i>Clematis Virginiana</i> .....	0 10 0	0 1 6
<i>Menispermum Canadense</i> , Moon Seed .....	0 7 6	0 0 9
<i>Passiflora incarnata</i> , Passion Flower .....	0 14 0	0 1 3
<i>Pueraria Thunbergiana</i> , Kudzu Vine .....	1 2 6	0 2 3
<i>Smilax glauca</i> .....	0 9 0	0 1 0
<i>Smilax hispida</i> .....	0 6 3	0 0 9
<i>Smilax laurifolia</i> .....	0 6 3	0 0 9
<i>Smilax rotundifolia</i> .....	0 6 3	0 0 9
<i>Smilax tamnoides</i> .....	0 6 3	0 0 9
<i>Smilax Walteri</i> .....	0 6 3	0 0 9
<i>Tecoma radicans</i> , Trumpet Vine .....	0 7 6	0 0 9
<i>Vitis</i> . See Fruits.		
<i>Wistaria frutescens</i> .....	0 7 6	0 1 0
<i>Wistaria magnifica</i> .....	0 10 0	0 1 0
<i>Wistaria sinensis</i> .....	0 12 6	0 1 3

## Special List of Palm and Yucca Seeds

	Price Per 1000 £4		Price Per 1000 £4
<i>Thrinax argentea</i> .....	4	<i>Stevensonea grandiflora</i> .....	4
<i>Pritchardia Pacifica</i> .....	3	<i>Areca Triandra</i> .....	4
<i>Caryota sobilifera</i> .....	4	<i>Livistona altissima</i> .....	4
<i>Caroyta Urens</i> .....	2	<i>Wallichia Distycha</i> .....	4
<i>Martenezia caryotaefolia</i> .....	5	<i>Licuala pelata</i> .....	4
<i>Areca Catechu</i> .....	2	<i>Licuala grandis</i> .....	5
<i>Livistona Chinensis</i> .....	2	<i>Cocos plumosa</i> .....	5
<i>Bentinckia Nicoborica</i> .....	4	<i>Hyophorbe Verschaffeltii</i> .....	3

	Price Per lb. £ s. d.	Price Per oz. £ s. d.
<i>Brahea edulis</i> .....	0 6 3	0 0 9
<i>Brahea filamentosa</i> .....	0 5 0	0 0 9
<i>Brahea glauca</i> .....	0 9 0	0 1 0
<i>Brahea robusta</i> .....	0 7 6	0 0 9
<i>Brahea Sonorae</i> .....	0 15 0	0 1 6
<i>Sabal Adansoni</i> .....	0 5 0	0 0 6
<i>Sabal palmetto</i> .....	0 5 0	0 0 6
<i>Sabal serrulatam</i> Saw Palm .....	0 5 0	0 0 6
<i>Yucca angustifolia</i> .....	0 11 3	0 1 6
<i>Yucca baccata</i> .....	1 2 6	0 2 3
<i>Yucca brevifolia</i> .....	0 0 0	0 5 0
<i>Yucca filamentosa</i> , Adam's Needle .....	0 10 0	0 1 0
<i>Yucca Whipplei</i> .....	1 0 0	0 2 0

# American Specialties

Under this heading I refer to such plants, bulbs and seeds as, on account of either the fertile soil or the climate in certain parts of this wide continent, thrive better and produce better and quicker results than they do in many other climes, and on that account we are able to grow them to such an advantage, notwithstanding the high labor and other expense, so they can be grown and distributed to the entire world.

I refer to such plants as the Gladioli, Lilies, Cannas, Dahlias and Tuberoses, some hardy perennials; also a great variety of seeds, such as the Sweet Peas and others.

## List of Cannas

Strong Division, One to Three Eyes.

For Delivery from December to April.

	Price Per 100		Price per 100
Burbank .....	£0 15s.	Queen Charlotte .....	£0 15s.
Buttercup .....	0 15	Rose Mawr .....	0 15
Chas. Henderson .....	0 15	Shenandoah .....	0 15
David Harum .....	0 15	Venus .....	0 15
Duke of Marlborough .....	0 15	Mt. Aetna .....	0 15
Eagandale .....	0 15	Allemania .....	0 15
Florence Vaughan .....	0 15	Evolution .....	0 15
Florida .....	0 15	Gladioflora .....	0 15
Gladiator .....	0 15	Indiana .....	0 15
Grand Rouge .....	0 15	Louise .....	0 15
Italia .....	0 15	Mrs. Alfred F. Conard.....	0 15
King Humbert .....	1 10	Mrs. Carl Kelsey .....	0 15
Louisiana .....	0 15	Wyoming .....	0 15
Madame Crozy .....	0 15	Golden King .....	0 15
Martha Washington .....	0 15	Crimson Bedder .....	0 15
Mlle. Berat .....	0 15	Ex Campbelle .....	0 15
Mont Blanc .....	0 15	Richard Wallace .....	0 15
Mrs. Kate Gray .....	0 15	Niagara .....	0 15
Paul Marquant .....	0 15	Souv. D. A. Crozy .....	0 15
Pennsylvania .....	0 15		

## List of Tuberoses

Delivery, December-February

	Price Per 1000 £. s. d.
Albino No. 2, size 2 to 3½ inches in circumference .....	1 10 0
Albino No. 1, size 3½ to 6 inches in circumference .....	3 0 0
Dwarf Excelsior Pearl, No. 2, size 3 to 4 inches in circumference .....	1 5 0
Dwarf Excelsior Pearl, No. 1, size 4 to 6 inches in circumference .....	2 10 0
Dwarf Excelsior Pearl, Mammoth bulbs, 6 to 8 inches in circumference .....	5 0 0
Single or Orange Flowered No. 2, size 2 to 3½ inches in circumference .....	1 10 0
Single or Orange Flowered No. 1, size 3½ to 6 inches in circumference .....	3 0 0
Tall Double No. 2, size 3 to 4 inches in circumference .....	1 10 0
Tall Double No. 1, size 4 to 6 inches in circumference .....	3 0 0
Variegated Leaved No. 2, size 2 to 3½ inches in circumference .....	2 10 0
Variegated Leaved No. 1, size 3½ to 6 inches in circumference .....	5 0 0

## Caladium Esculentum

Bulbs in the Following Sizes:

	Price Per 100 £. s. d.
Small size, 4 to 5 inches in circumference .....	0 7 6
Medium size, 5 to 7 inches in circumference .....	0 10 0
Large size, 7 to 9 inches in circumference .....	0 15 0
Extra large size, 9 to 11 inches in circumference .....	1 10 0
Mammoth size, 11 to 14 inches in circumference .....	3 5 0
Mammoth size, 14 to 17 inches in circumference .....	6 10 0



## Catalogues and Special Lists

**B**ESIDES this book, we have the following either ready or in course of publication and will be pleased to mail to anyone applying.

Our Native Plants  
Landscape Book  
Catalogue of Novelties and Specialties  
Catalogue of Orchids  
Catalogue of Hardy Perennials  
Catalogue of Hardy Trees and Shrubs  
Catalogue of Greenhouse Plants  
Catalogue of Bulbs  
Catalogue of Seeds

List of Collection Palms and Cycads  
List of Specimen Palms and Cycads  
List of Cyripediums  
List of Rare Orchids  
List of New Imported Orchids from Tropics  
List of Roses  
List of Boxwoods  
List of Evergreens

SPECIAL BARGAIN LISTS  
DURING THE SEASON

## Better Way Than Catalogues

Visit our nurseries at South Orange, where you will find the largest collection of plants of any establishment in America. Write, telephone or telegraph, and our Mr. Manda will meet you and conduct you about the nurseries and greenhouses. The nurseries are located right at the South Orange Depot of the D., L. & W. R. R. Eighty-four trains daily to and from Hoboken, or by trolley from Newark, N. J., only fourteen miles from New York City Hall.

COME, SEE AND BE CONVINCED



Albert Manda, II., with Fronds of *Polypodium Mandaianum* 5 Feet Long.